

BioThesaurus search and report (Examples: UniProtKB P48032 and TIMP3)

Search and Retrieval Forms Help?

Perform a text search in BioThesaurus A

Protein/Gene Name 1

A

Example: CLIM1 (**sample output**)

Retrieve a BioThesaurus report using a UniProtKB identifier

2

Example: P10997 (**sample output**)

A. The BioThesaurus interface provides search options of using text (1, e.g., TIMP3) or UniProtKB identifier (2, e.g., P48032) (<http://pir.georgetown.edu/pirwww/iprolink/biothesaurus.shtml>).

3 Protein/Gene Names AND Protein/Gene Names

4 Display Option Help? 21 proteins | 1 page | 50 / page | Save Result As:

● BLAST ● FASTA ● Pattern Match ● Multiple Alignment ● Domain Display

<input type="checkbox"/> UniProtKB AC/ID	UniProtKB Protein Name	Organism Name	No. of Synonyms / Text Variants	PIRSF Family ID	Matched Fields
<input type="checkbox"/> Q8WP05/Q8WP05_ATEBE <small>/ProClass UniProtKB/TrEMBL BioThesaurus</small>	Tissue inhibitor of metalloproteinase 3 (Fragment)	Ateles belzebuth chamek (Chamek spider monkey)	2 / 3		Protein/Gene Names=>TIMP3
<input type="checkbox"/> Q9N150/Q9N150_BOVIN <small>/ProClass UniProtKB/TrEMBL BioThesaurus</small>	Tissue inhibitor of metalloproteinase 3 (Fragment)	Bos taurus (Bovine)	2 / 3		Protein/Gene Names=>TIMP3
<input type="checkbox"/> Q5THV6/Q5THV6_HUMAN <small>/ProClass UniProtKB/TrEMBL BioThesaurus</small>	Tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory)	Homo sapiens (Human)	4 / 5		Protein/Gene Names=>TIMP3
<input type="checkbox"/> Q5THV5/Q5THV5_HUMAN <small>/ProClass UniProtKB/TrEMBL BioThesaurus</small>	Tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory)	Homo sapiens (Human)	4 / 5		Protein/Gene Names=>TIMP3
<input type="checkbox"/> Q5THV4/Q5THV4_HUMAN <small>/ProClass UniProtKB/TrEMBL BioThesaurus</small>	Tissue inhibitor of metalloproteinase 3 (Sorsby fundus dystrophy, pseudoinflammatory)	Homo sapiens (Human)	11 / 16	PIRSF001636	Protein/Gene Names=>TIMP3
<input type="checkbox"/> O73746/TIMP3_XENLA <small>/ProClass UniProtKB/Swiss-Prot BioThesaurus</small>	Metalloproteinase inhibitor 3 precursor (TIMP-3) (Tissue inhibitor of metalloproteinases-3)	Xenopus laevis (African clawed frog)	5 / 8	PIRSF001636	Protein/Gene Names=>timp3; Protein/Gene Names=>timp3-A
<input type="checkbox"/> Q9W6B4/TIMP3_SCYTO <small>/ProClass UniProtKB/Swiss-Prot BioThesaurus</small>	Metalloproteinase inhibitor 3 precursor (TIMP-3) (Tissue inhibitor of metalloproteinases-3)	Scyliorhinus torazame (Cloudy catshark)	3 / 6	PIRSF001636	Protein/Gene Names=>TIMP3
<input type="checkbox"/> P48032/TIMP3_RAT <small>/ProClass UniProtKB/Swiss-Prot BioThesaurus</small>	Metalloproteinase inhibitor 3 precursor (TIMP-3) (Tissue inhibitor of metalloproteinases-3)	Rattus norvegicus (Rat)	4 / 7	PIRSF001636	Protein/Gene Names=>Timp3
<input type="checkbox"/> O97590/TIMP3_RABIT <small>/ProClass UniProtKB/Swiss-Prot BioThesaurus</small>	Metalloproteinase inhibitor 3 (TIMP-3) (Tissue inhibitor of metalloproteinases-3) (Fragment)	Oryctolagus cuniculus (Rabbit)	3 / 5		Protein/Gene Names=>TIMP3
<input type="checkbox"/> P39876/TIMP3_MOUSE <small>/ProClass UniProtKB/Swiss-Prot BioThesaurus</small>	Metalloproteinase inhibitor 3 precursor (TIMP-3) (Tissue inhibitor of metalloproteinases-3)	Mus musculus (Mouse)	6 / 13	PIRSF001636	Protein/Gene Names=>timp3; Protein/Gene Names=>Timp3
<input type="checkbox"/> Q5PXZ9/TIMP3_MACMU <small>/ProClass UniProtKB/Swiss-Prot BioThesaurus</small>	Metalloproteinase inhibitor 3 precursor (TIMP-3) (Tissue inhibitor of metalloproteinases-3)	Macaca mulatta (Rhesus macaque)	3 / 5	PIRSF001636	Protein/Gene Names=>TIMP3

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B. Text search results using *TIMP3*. Additional search with Boolean operations is provided (3); Number of entries sharing the same term is retrieved and listed along with their names, organisms and protein classifications (4); Among the entries is the UniProtKB entry P48032 (rat TIMP-3) (5).

BioThesaurus Report for UniProtKB Entry: P48032

C

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PROTEIN INFORMATION

UniProtKB Name and ID	Protein Name: Metalloproteinase inhibitor 3 precursor (TIMP-3) (Tissue inhibitor of metalloproteinases-3) Gene Name: Timp3; Synonyms: Timp-3 ID: TIMP3_RAT <small>UniProtKB/Swiss-Prot</small> <small>/ProClass</small> Accession: P48032
Taxonomy	Source Organism: <i>Rattus norvegicus</i> (Rat) Taxon Group: Euk/mammal NCBI Taxon: 10116
Classification	UniRef: UniRef90_P39876; UniRef50_P39876 PIRSF: SF001636 - metalloproteinase inhibitor Related Sequences: P48032

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BIOThESAURUS INFORMATION

Number of Names	Synonyms	Textual Variants	Source Databases
	4	7	4

8

9

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Name and Source Attribution	Synonym	Source Count	Textual Variant	Source Attribution
		Tissue inhibitor of metalloproteinases-3	4	Tissue inhibitor of metalloproteinases-3
	tissue inhibitor of metalloproteinase 3	PIR-PSD:JC4630 GenPept:AAA75002.1 UMLS:C0210492 (T116+T121+T123)		
	TIMP-3	3	TIMP-3	UniProtKB:P48032 GenPept:AAA75002.1 UMLS:C0210492 (T116+T121+T123) UMLS:C1336630 (T028)
	Timp-3		UniProtKB:P48032 UMLS:C0210492 (T116+T121+T123) UMLS:C1336630 (T028)	
	Timp3		UniProtKB:P48032 UMLS:C0210492 (T116+T121+T123) UMLS:C1336630 (T028)	
	Metalloproteinase inhibitor 3 precursor	1	Metalloproteinase inhibitor 3 precursor	UniProtKB:P48032
	metalloproteinase tissue inhibitor 3 precursor	1	metalloproteinase tissue inhibitor 3 precursor	PIR-PSD:JC4630

C. BioThesaurus Report based on UniProtKB entry P48032. General protein information is provided for each protein (6). Detailed report of synonyms and their sources include the total numbers of synonym groups, their text variants and distinct data sources are given (7), followed by names of each synonym group (8), frequency counts (9), and text variants and their sources (10) (<http://pir.georgetown.edu/cgi-bin/biothesaurus.pl?id=P48032>).