ADAMTS17 (Human) Recombinant Protein (Q01)

Catalog # H00170691-Q01 Size 25 ug, 10 ug

Applications

Specification

Product Description	Human ADAMTS17 partial ORF (NP_620688, 543 a.a. - 650 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DGDWSPWGAWSMCSRTCGTGARFRQRKCDNPPPGPGGTHCPGASVEHAVCENLPCPKGLPSFRDQQCQAHDRLSPKKKGLLTAVVVDDKPCELYCSPLGKESPLLVAD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.62
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ADAMTS17

Entrez GeneID	170691
GeneBank Accession#	NM_139057
Protein Accession#	NP_620688
Gene Name	ADAMTS17
Gene Alias	FLJ16363, FLJ32769
Gene Description	ADAM metallopeptidase with thrombospondin type 1 motif, 17
Omim ID	607511
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombo spondin motifs) protein family. ADAMTS family members share several distinct protein modules, i ncluding a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a throm bospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal T S motifs, and some have unique C-terminal domains. The protein encoded by this gene has a hig h sequence similarity to the protein encoded by ADAMTS19, another family member. The function of this protein has not been determined. [provided by RefSeq
Other Designations	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 17

Publication Reference

- Homozygous mutations in ADAMTS10 and ADAMTS17 cause lenticular myopia, ectopia lentis, glaucoma, spherophakia, and short stature.

  Jose Morales, Latifa Al-Sharif, Dania S Khalil, Jameela M A Shinwari, Prashant Bavi, Rahima A Al-Mahrouqi, Ali Al-Rajhi, Fowzan S Alkuraya, Brian F Meyer, Nada Al Tassan.

  American Journal of Human Genetics 2009 Nov; 85(5):558.

  Application: IHC-P, Human, MCF-7 cells

Disease

- Diabetes Mellitus