

Recombinant Full Length Human TLL1 Protein, C-Flag-tagged

Cat. No. TLL1-1333HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TLL1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes an astacin-like, zinc-dependent, metalloprotease that belongs to the peptidase M12A family. This protease processes procollagen C-propeptides, such as chordin, pro-biglycan and pro-lysyl oxidase. Studies in mice suggest that this gene plays multiple roles in the development of mammalian heart, and is essential for the formation of the interventricular septum. Allelic variants of this gene are associated with atrial septal defect type 6. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	114.5 kDa
AA Sequence	MGLGTLSPRMLVWLVASGIVFYGELWVCAGLDYDYTFDGNEDKTETIDYKDPCKA AVFWGDIALDDEDL NIFQIDRTIDLTQNPFGNLGHTTGGLGDHAMSCKRGALYQLID RIRRIGFGLQNNNTVKGKVPLQFSGQN EKNRVPRAAITSRTERIWPGGVIPYVIGGNF TGSQRAMFKQAMRHWEKHTCVTFIERSDEESYIVFTYRPG GCCSYVGRRGNGPQ AISIGKNCDKFGIVVHELGHVIGFWHEHTRPDNRDHNVTIIRENIQPGQEYNFLKME PG EVNSLGERYDFDSIMHYARNTFSRGMFLDTILPSRDDNGIRPAIGQRTRLSKGDIQAQA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

RKLYRCPACG ETLQESNGNLSSPGFPNGYPSYTHCIWRVSVTPGEKIVLNFTTMDL
 YKSSLCWYDYIEVRDGYWRKSPLL GRFCGDKLPEVLTSTDSRMWIEFRSSSNWVG
 KGFAAVYEAICGGEIRKNEGQIQSPNYPDDYRPMKECVW KITVSESYHVGLTFQSF
 EIERHDNCAYDYLEVVDGTSENSPLIGRFCGYDKPEDIRSTSNTLWMKFVSDG TVN
 KAGFAANFFKEEDECAKPDRCGGCEQRCLNTLGSYQCACEPGYELGPDRRSCEAAC
 GGLTLKNGTIT TPGWPKEYPPNKNVCVWQVVAPTQYRISVKFEFFEELEGNEVCKYD
 YVEIWSGLSSES KLHGKFCGAEVPEV ITSQFNNMRIEFKSDNTVSKKGFKAHFFSDK
 DECSKDNNGGCQHECVNTMGSYMCCQRNGFVLHDNKHCK EAECEQKIHSPGLI
 TSPNWPDKYPSRKECTWEISATPGHRIKLAFFSEFEIEQHQCAYDHLEVFDGETE K
 SPILGRLCGNKIPDPLVATGNKMFVRFVSDASVQRKGFQATHSTECGGRLKAESKP
 RDLYSHAQFGDNN YPGQVDCEWLLVSEGRSRLELSFQTFEVEEEADCGYDYVELF
 DGLDSTAVGLGRFCGSGPPEEISIGDS
 VLIHFHTDDTINKKGFHIRYKSIRYPDTTHTKKTRTRPLEQKLISEEDLAANDILDYKDD
 DDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protease, Secreted Protein
Full Length	Full L.

GENE INFORMATION

Gene Name TLL1 tolloid like 1 [Homo sapiens (human)]

Official Symbol TLL1

Synonyms TLL; ASD6

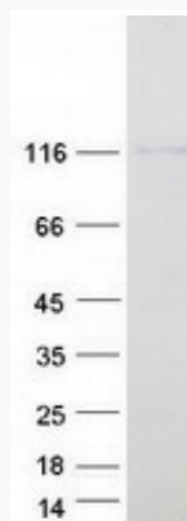
Gene ID 7092

mRNA Refseq NM_012464.5

Protein Refseq NP_036596.3

MIM 606742

UniProt ID O43897



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Coomassie blue staining of purified TLL1 protein.

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