Recombinant Human TLL1 Protein, His-tagged

Cat. No. TLL1-419H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TLL1 Protein (Asp730-Ile1003) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asp730-Ile1003
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.6 kDa Accurate Molecular Mass: 39 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	TLL1 tolloid-like 1 [Homo sapiens (human)]
Official Symbol	TLL1
Synonyms	TLL1; tolloid-like 1; tolloid-like protein 1; TLL; ASD6
Gene ID	7092
mRNA Refseq	NM_001204760
Protein Refseq	NP_001191689
MIM	606742
UniProt ID	O43897

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