

Recombinant Human LEFTY1 Protein, His-tagged

Cat. No. LEFTY1-367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LEFTY1(Phe78~Pro361) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe78~Pro361
Description	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate the mature protein, which plays a role in left-right asymmetry determination of organ systems during development. This gene is closely linked to both a related family member and a related pseudogene.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	33.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
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.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	LEFTY1 left-right determination factor 1 [Homo sapiens]
Official Symbol	LEFTY1
Synonyms	LEFTY1; left-right determination factor 1; left right determination, factor B , LEFTB; LEFTYB; protein lefty-1; protein lefty-B; left-right determination factor B; left-right determination, factor B; LEFTB;
Gene ID	10637
mRNA Refseq	NM_020997
Protein Refseq	NP_066277
MIM	603037

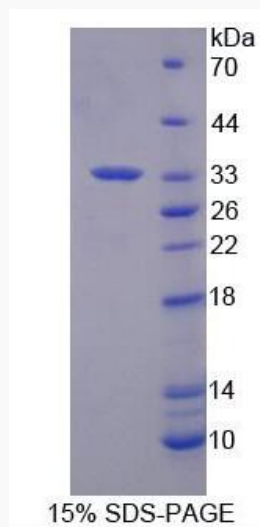
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UniProt ID

O75610



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