

Recombinant Full Length Human LEFTY1 Protein, His tagged

Cat. No. LEFTY1-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human left-right determination factor 1 (LEFTY1), full length, with N-terminal HIS tag, expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-366 aa
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	50 mM Tris-HCl, pH 8.0, 8 M urea
Molecular Mass	38.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

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Storage

Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Concentration

> 0.05 µg/µL as determined by microplate BCA method

GENE INFORMATION
Gene Name

LEFTY1 left-right determination factor 1 [Homo sapiens (human)]

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

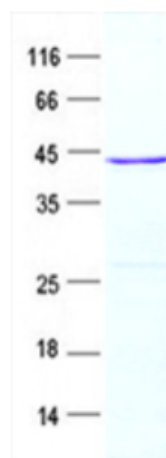
UniProt ID

O75610

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SDS-PAGE

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