

Recombinant Human LEFTY1 Protein, Fc-tagged

Cat. No. LEFTY1-003H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LEFTY1 Protein with Fc tag was expressed in HEK293.
Species	Human
Source	HEK293
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.
Molecular Mass	59 kDa
AA Sequence	RFSQSFREVAGRFLALEASTHLLVFGMEQRLPPNSELVQAVLRLFQEPVPKAALHR HGRLSPRSARARVTVEWLRVRDDGSNRTSLIDSRLVSVHESGWKAADFVTEAVNFW QQLSRPRQPLLLQVSVQREHLGLASGAHKLVRFASQGAPAGLGEPQLELHTLDLG DYGAQGDCDPEAPMTEGTRCCRQEMYIDLQGMKWAENWVLEPPGFLAYECVGTC RQPPEALAFKWPFLGPRQCIASETDSLPMIVSIKEGGRTRPQVVS LPNMRVQK CSC ASDGALVPRRLQPDDDDKEPKSSDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMIS RTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLH QDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTC

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	LVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVF SCSVMHEALHNHYTQKSLSLSPGK
Endotoxin	< 1 EU/μg by LAL
Purity	> 70 % by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Concentration	0.34 mg/mL
Storage Buffer	PBS, pH 7.4

GENE INFORMATION

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

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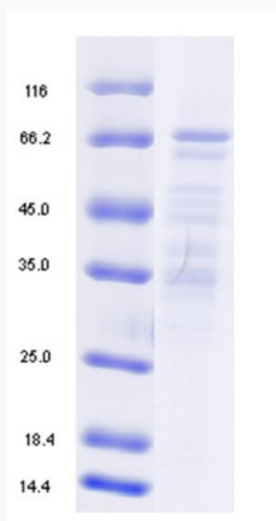
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UniProt ID

O75610

SDS-PAGE

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