

Recombinant Human LEFTY1 Protein, Fc-tagged

Cat. No. LEFTY1-17H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LEFTY2 Protein, fused to Fc-tag, was expressed in HEK293T.
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.
Form	PBS, pH 7.4.
Molecular Mass	59 kDa
AA Sequence	RFSQSFREVAGRFLALEASTHLLVFGMEQRLPPNSELVQAVLRLFQEPVPKAALHR HGRLSPRSARARVTVEWLRVRDDGSNRTSLIDSRLVSVHESGWKAFDVTEAVNFW QQLSRPRQPLLLQVSVQREHLGPLASGAHKLVRFASQGAPAGLGEPQLELHTLDLG DYGAQGDCDPEAPMTEGTRCCRQEMYIDLQGMKWAENWVLEPPGFLAYECVGTC RQPPEALAFKWPFLGPRQCIASETDSLPMIVSIKEGGRTRPQVVSLPNMRVQKCS ASDGALVPRRLQPDDDDKEPKSSDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMIS RTPEVTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLH

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QDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVSCSVMHEALHNHYTQKSLSLSPGK

Endotoxin <1EU/ug 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

GENE INFORMATION

Gene Name [LEFTY1 left-right determination factor 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [LEFTY1](#)

Synonyms LEFTB; LEFTYB

Gene ID [10637](#)

mRNA Refseq [NM_020997.4](#)

Protein Refseq [NP_066277.1](#)

MIM [603037](#)

UniProt ID [O75610](#)

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