# 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 RQPPEALAFKWPFLGPRQCIASETDSLPMIVSIKEGGRTRPQVVSLPNMRVQKCSC ASDGALVPRRLQPDDDDKEPKSSDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMIS RTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLH |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|---|---|
| | QDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTC LVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVF SCSVMHEALHNHYTQKSLSLSPGK |
| **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 |
| **SDS-PAGE** | |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA