

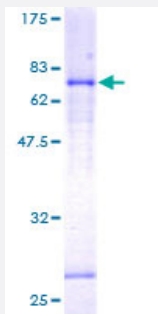
Full-Length

LEFTY1 (Human) Recombinant Protein (P01)

Catalog # H00010637-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human LEFTY1 full-length ORF (AAH27883, 1 a.a. - 366 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MQPLWLCWALWVLPLASPGAALAGEQLLGSLRQLQLKEVPTLDRADMEELVIPTHVRAQYVAL
LQRSHGDRSRGKRFSQSFRVAGRFLALEASTHLLVFGMEQRLPPNSELVQAVLRLFQEPVPA
ALHRHGRLSLRSARARVTVEWLRVRDDGSNRTSLIDSRLSVHESGWKAFDVTEAVNFWQQLS
RPRQPLLLQVSVQREHLGPLASGAHKLVRFASQGAPAGLGEPQLELHTLDLGDYGAQGDCE
APMTEGTRCCRQEMYDLQGMKWAENWVLEPPGFLAYECVGTCTCRQPPEALAFKWPFLGPRQCI
ASETDSLPMVSIKEGGRTRPQVVSPLPNMRVQKCSASD GALVPRRLQP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

66

Interspecies Antigen Sequence

Mouse (81); Rat (80)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LEFTY1

Entrez GeneID [10637](#)**GeneBank Accession#** [BC027883](#)**Protein Accession#** [AAH27883](#)**Gene Name** LEFTY1**Gene Alias** LEFTB, LEFTYB**Gene Description** left-right determination factor 1**Omim ID** [603037](#)**Gene Ontology** [Hyperlink](#)

Gene Summary This gene encodes a member of the TGF-beta family of proteins. A similar secreted protein in mouse plays a role in left-right asymmetry determination of organ systems during development. Alternative processing of this protein can yield three different products. This gene is closely linked to both a related family member and a related pseudogene. [provided by RefSeq]

Other Designations OTTHUMP00000035572|left-right determination, factor B

Pathway

- [TGF-beta signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)