Product datasheet for TP761661

Lefty (LEFTY1) (NM_020997) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human left-right determination factor 1 (LEFTY1), full length, with N-terminal HIS tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length LEFTY1
Tag:	N-His
Predicted MW:	38.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_066277
Locus ID:	10637
UniProt ID:	O75610
RefSeq Size:	1644
Cytogenetics:	1q42.12
RefSeq ORF:	1098
Synonyms:	LEFTB; LEFTYB

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Summary: 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. [provided by RefSeq, Aug 2016]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: TGF-beta signaling pathway

Product images: