

Recombinant Rat LEFTY1 Protein, His-tagged

Cat. No. LEFTY1-19R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat LEFTY1 Protein, fused to His-tag, was expressed in HEK293T.
Species	Rat
Source	HEK293
Description	Predicted to enable cytokine activity and nodal binding activity. Predicted to be involved in several processes, including negative regulation of nodal receptor complex assembly; regulation of transmembrane receptor protein serine/threonine kinase signaling pathway; and transmembrane receptor protein serine/threonine kinase signaling pathway. Predicted to act upstream of or within several processes, including anterior/posterior axis specification; cell migration involved in gastrulation; and response to retinoic acid. Predicted to be located in extracellular region. Predicted to be active in extracellular space. Orthologous to several human genes including LEFTY1 (left-right determination factor 1).
Form	PBS, pH 7.4.
Molecular Mass	40.66 kDa
AA Sequence	LTGEQVLGSLQQLRLDRPPVLDKADVEGMVIPSHVRAQYVALLQHSRSDSRGKR FSQNFREVAGRFLVSETSSHLLVFGMEQRLPPNSELVQAVLRLFQEPVPRTALRRQ KRLSPHSARARVTIEWLRFREDGSGNRRTALIDSRLVSIHESGWKVFVDVTEAVNFWQQL SRPRQPLLLQVSVQREHLGPGTWSAHKLVRFAAQGTPDGKGLGEPQLELHTLDLK DYGAQGNCDPETPVTEGTRCCRQEMYLDLQGMKWAENWILEPPGFLTYECVGSCL

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QPPESLTIRWPFGLGPRQCVASEMTSLPLIVSIKEDGRTRPQVVSLPNMRVQRCSCAS
DGALIPRRLEPDDDDKHHHHHH

Endotoxin <1EU/ug by LAL

Purity >90% 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 0.46 mg/ml

GENE INFORMATION

Gene Name Lefty1 left right determination factor 1 [*Rattus norvegicus* (Norway rat)]

Official Symbol LEFTY1

Synonyms RGD1561867

Gene ID 498299

mRNA Refseq NM_001109080.1

Protein Refseq NP_001102550.1

UniProt ID D4A670

SDS-PAGE Reducing 12% SDS-PAGE and WB analysis profiles of purified LEFTY1-001R.

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