

Recombinant Rat LEFTY1, His-tagged

Cat. No. LEFTY1-27R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat LEFTY1, fused to His-tag, was expressed in HEK293.
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, pH7.4
Molecular Mass	40.66 kDa
AA Sequence	LTGEQVLGSLQQLRLDRPPVLDKADVEGMVIPSHVRAQYVALLQHSRSDSRGKR FSQNFREVAGRFLVSETSSHLLVFGMEQRLPPNSELVQAVLRLFQEPVPRTALRRQ KRLSPHSARARVTIEWLRFREDGSRNRTALIDSRLVSIHESGWKVFVDVTEAVNFWQQQL SRPRQPLLLQVSVQREHLGPGTWSAHKLVRFAAQGTPDGKGLGEPQLELHTLDLK DYGAQGNCDPETPVTEGTRCCRQEMYLDLQGMKWAENWILEPPGFLTYECVGSCL

 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

	QPPESLTIRWPFLGPRQCVASEMTSLPLIVSIKEDGRTRPQVVSLPNMRVQRCSCAS DGALIPRRLEPDDDDKHHHHHH
Endotoxin	1EU/ug by LAL.
Purity	90%
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	0.67mg/ml

GENE INFORMATION

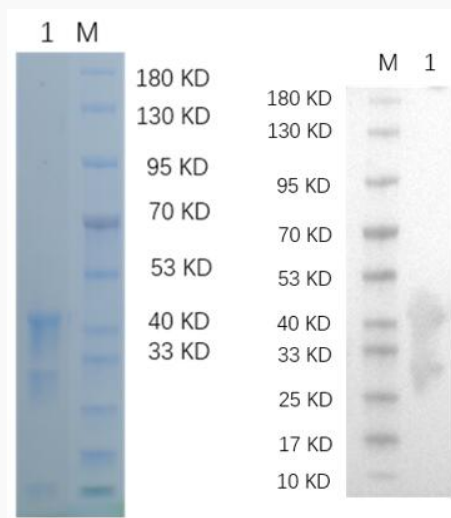
Gene Name	Lefty1 left right determination factor 1 [Rattus norvegicus (Norway rat)]
Official Symbol	LEFTY1
Synonyms	RGD1561867
Gene ID	498299
mRNA Refseq	NM_001109080
Protein Refseq	NP_001102550
UniProt ID	D4A670

 Tel: 1-631-559-9269 1-516-512-3133

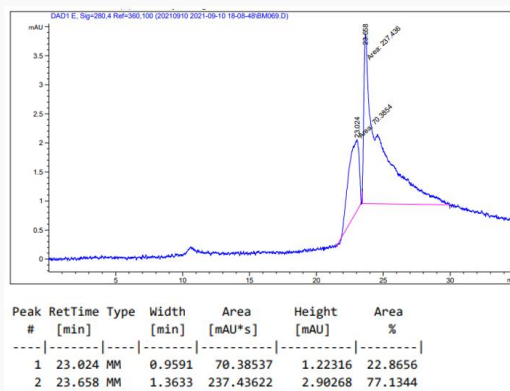
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE



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



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