

Recombinant Human LEFTY2 protein, His-tagged

Cat. No. LEFTY2-501H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LEFTY2 protein(NP_003231)(24-366 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	24-366 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	EEQLLGSLLRQLQLSEVPVLDRADMEKLVIPAHVRAQYVVLLRRSHGDRSRGKRFS QSFREVAGRFLASEASTHLLVFGMEQRLPPNSELVQAVLRLFQEPVPKAALHRHGR LSPRSAQARVTVEWLRVRDDGSNRTSLIDSRLVSVHESGWKAFDVTEAVNFWQQL SRPRQPLLLQVSVQREHLGPLASGAHKLVRFASQGAPAGLGEPQLELHTDLRDYG AQGDCDPEAPMTEGTRCCRQEMYIDLQGMKWAKNWWLEPPGFLAYECVGTCQQP PEALAFNWPFLGPRQCIASETASLPMIVSIKEGGRTRPQVVSLPNMRVQKCSCASD GALVPRRLQP
Purity	70%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).
 If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).
 Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

GENE INFORMATION

Gene Name [LEFTY2 left-right determination factor 2 \[Homo sapiens \]](#)

Official Symbol [LEFTY2](#)

Synonyms

LEFTY2; left-right determination factor 2; EBAF, endometrial bleeding associated factor (left right determination, factor A; transforming growth factor beta superfamily) , TGFB4; LEFTA; LEFTYA; transforming growth factor; beta 4 (endometrial bleeding associated factor; LEFTY A); TGF-beta-4; protein lefty-2; protein lefty-A; left-right determination factor A; transforming growth factor beta-4; endometrial bleeding-associated factor; EBAF; TGFB4; MGC46222;

Gene ID [7044](#)

mRNA Refseq [NM_003240](#)

Protein Refseq [NP_003231](#)

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UniProt ID	O00292
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SDS-PAGE	
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