

Active Recombinant Human LEFTY2 protein, hFc-tagged

Cat. No. LEFTY2-799H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human LEFTY2 protein(NP_003231.2) (Phe 78-Pro 366) was expressed in HEK293, fused with the Fc region of human IgG1 at the N-terminus.
Species	Human
Source	HEK293
ProteinLength	78-366 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to inhibit recombinant human BMP4 induced alkaline phosphatase production by MC3T3-E1 cells. The ED50 for this effect is typically 4-16 µg/mL in the presence of 50 ng/mL of recombinant human BMP4.
Molecular Mass	The recombinant human LeftyA/Fc is a disulfide-linked homodimer The reduced monomer consists of 526 amino acids and has a predicted molecular mass of 58.8 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh LeftyA/Fc monomer is approximately 70 kDa due to glycosylation.
Endotoxin	< 1 EU/g as determined by LAL test.
Purity	> 90 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to

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aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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](#)

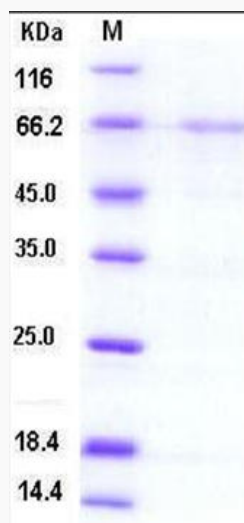
UniProt ID [O00292](#)

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SDS-PAGE



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