

## Recombinant Human LEFTY2 Protein

Catalog #	Source	Reactivity	Applications
CRP2765	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human LEFTY2 Protein is produced by mammalian expression system and the target gene encoding Phe78-Pro366 is expressed fused with a Mouse Lefty-1 Propeptide (Leu22-Arg77) & 6His tag at the N-terminus.		
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.		
<b>Gene Symbol</b>	LEFTY2		
<b>Alternative Names</b>	EBAF; LEFTA; LEFTYA; TGFB4; Left-right determination factor 2; Endometrial bleeding-associated factor; Left-right determination factor A; Protein lefty-2; Protein lefty-A; Transforming growth factor beta-4; TGF-beta-4		
<b>Entrez Gene</b>	7044 (Human)		
<b>SwissProt</b>	O00292 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	LTGEQILGSL LQQQLDQPP VLDKADVEGM VIPSHVRTQY VALLQSHSHAS RSRGKRHHHH HHFSQSFREV AGRFLASEAS THLLVFGMEQ RLPPNSELVQ AVLRLFQEPV PKAALHRHGR LSPRSAQARV TVEWLRVRDD GSNRTSLIDS RLVSVHESGW KAFDVTEAVN FWQQLSRPRQ PLLLQVSVQR EHLGPLASGA HKLVRFASQG APAGLGEPQL ELHTLDRDY GAQGDCDPEA PMTEGTRCCR QEMYIDLQGM KWAKNWWLEP PGFLAYECVG TCQQPPEALA FNWPFLGPRQ CIASETASLP MIVSIKEGGR TRPQVVSLPN MRVQKCSCAS DGALVPRRLQ P		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH <sub>2</sub> O. Please aliquot the reconstituted solution to minimize		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

freeze-thaw cycles.

## Storage/Stability

Lyophilized protein should be stored at  $-20^{\circ}\text{C}$ , though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at  $2-8^{\circ}\text{C}$  for 2-7 days.

Aliquots of reconstituted samples are stable at  $-20^{\circ}\text{C}$  for 3 months.

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