

Human CellExp LEFTY-I, Human recombinant protein
Human Recombinant LEFTY-I
Catalog # PBV10458r**Specification**

Human CellExp LEFTY-I, Human recombinant protein - Product info

Primary Accession [O75610](#)
Calculated MW **38 kDa** **KDa**

Human CellExp LEFTY-I, Human recombinant protein - Additional Info

Gene ID **10637**
Gene Symbol **LEFTY1**

Other Names

Left-right determination factor 1, Left-right determination factor B, Protein lefty-1, Protein lefty-B

Gene Source **Human**
Source **Human 293 cells**
Assay&Purity **SDS-PAGE; ≥90%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Results **Typically 10 to 40 ng/mL ED50.**

Application Notes

Reconstitute in sterile water.

Format

Lyophilized protein

Storage

-20°C; Lyophilized in 10 mM Tris-HCl, pH 7.4, 50 mM NaCl, 0.5% CHAPS.

Human CellExp LEFTY-I, Human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp LEFTY-I, Human recombinant protein - Images**Human CellExp LEFTY-I, Human recombinant protein - Background**

BioVision's LEFTY-1 is expressed in human 293 cells as a monomeric glycoprotein with an apparent

molecular mass of 38 kDa. This cytokine is produced in a human cell expression system with serum-free, chemically defined media. Production in human 293 cells offers authentic glycosylation, contributing to stability in cell growth media. Lefty proteins function as an antagonist of the Nodal Signaling pathway. Proper functioning of Lefty is crucial to the proper development of the heart, lungs, spleen, and liver.

Human CellExp LEFTY-I, Human recombinant protein - References

Kosaki K.,et al.Am. J. Hum. Genet. 64:712-721(1999).
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Gregory S.G.,et al.Nature 441:315-321(2006).