

LEFTY-I, Human CellExp™, Human Recombinant

CATALOG #:	4873-10	10 µg
	4873-50	50 µg
ALTERNATE NAMES:	Left-right determination factor 1, Left-right determination factor B, Protein lefty-1, Protein lefty-B	
SOURCE:	Human Cell Expressed	
PURITY:	> 90% by SDS - PAGE	
MOL. WEIGHT:	38 kDa, monomer, glycosylated.	
ENDOTOXIN LEVEL:	< 1.0 EU per 1 µg of protein	
FORMULATION:	Lyophilized in 10 mM Tris-HCl, pH 7.4, 50 mM NaCl, 0.5% CHAPS.	
RECONSTITUTION:	Reconstitute in sterile water.	

STORAGE CONDITIONS:

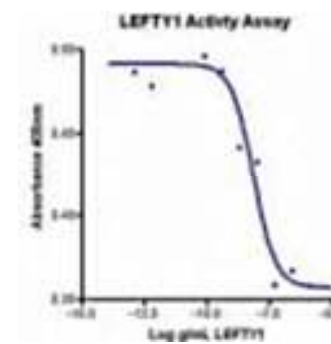
Aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION:

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.

BIOLOGICAL ACTIVITY:

Typically 10 to 40 ng/mL ED50. The specific activity was determined by dose dependent ability to inhibit BMP-4 (6.5 ng/mL) induction of alkaline phosphatase production in the MC-3T3-E1 cell line (Mouse Chondrogenic cell line).



Human Recombinant LEFTY-I

FOR RESEARCH USE ONLY! Not to be used in humans.

RELATED PRODUCTS:

- TGF-beta1, human recombinant (Cat. No. 4342-5, -50, -500)
- TGF-beta2, human recombinant (Cat. No. 4340-5, -50, -500)
- TGF-beta3, human recombinant (Cat. No. 4344-5, -50, -500)
- TGF-beta1 Antibody (Cat. No. 5559-100)
- TGF-beta2 Antibody (Cat. No. 5340-100)
- TGF-beta2 Antibody (Cat. No. 5343R-100)
- TGF-beta3 Antibody (Cat. No. 5344R-100)