www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

LEFTY1 Human

Catalog #:PRPS-969

For research use only.

Description:LEFTY1 Human Recombinant produced in HEK cells is a glycosylated monomer, having a total molecular weight of 38kDa.The LEFTY1 is purified by proprietary chromatographic techniques.

Synonyms: Left-right determination factor 1, Left-right determination factor B, Protein lefty-1, Protein lefty-B, LEFTY1, LEFTB, LEFTYB.

Source:HEK.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Purity: Greater than 90% as obsereved by SDS-PAGE.

Formulation:
The LEFTY1 was lyophilized from 1mg/ml in 1xPBS.

Stability:
Lyophilized LEFTY1 althoμgh stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution LEFTY1 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Usage:
NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:
It is recommended to reconstitute the lyophilized LEFTY1 in sterile water not less than 100

Introduction:
Left-Right Determination Factor 1 (LEFTY1) belongs to the TGF-beta family of proteins. LEFTY1 is required for left-right axis determination as a regulator of LEFTY2 and NODAL. An analogous secreted protein in mouse has a role in left-right asymmetry determination of organ systems during development. The LEFTY1 gene is closely linked to both a related family member and a related pseudogene.

Biological Activity:
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) and is typically 10-40ng/ml.

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