

Recombinant human LYVE-1 protein

Catalog Number: ATGP4008

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

25-253aa

UniProt No.

Q9Y5Y7

NCBI Accession No.

NP_006682.2

Alternative Names

Lymphatic vessel endothelial hyaluronan receptor 1, CRSBP-1, HAR, LYVE-1, XLKD1, LYVE1, Lymphatic vessel endothelial hyaluronan receptor 1 CRSBP 1, CRSBP1, extracellular link domain containing 1, extracellular link domain-containing 1, hyaluronic acid receptor, LYVE 1, Lymphatic endothelium specific hyaluronan receptor

PRODUCT SPECIFICATION

Molecular Weight

23.9kDa (220aa)

Concentration

1mg/ml (determined by Absorbance at 280nm)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

LYVE-1 is also known as XLKD1 and may function in lymphatic hyaluronan transport and have a role in tumor metastasis. This Protein is a Link domain-containing hyaladherin, a protein capable of binding to hyaluronic acid

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(HA), homologous to CD44, the main HA receptor. It is primarily expressed on both the luminal and abluminal surfaces of lymphatic vessels but is also observed in normal liver blood sinusoids, and embryonic blood vessels. It is selective marker of the lymphatic endothelium, is a surface endocytic receptor for hyaluronan (HA), which is an extracellular glycosaminoglycan involved in cell adhesion and migration. Recombinant human LYVE-1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

<ADP>LRAEELS IQVSCRIMGI TLVSKKANQQ LNFTEAKEAC RLLGLSLAGK DQVETALKAS FETCSYGWVG DGFVVISRIS
PNPKCGKNGV GVLIRKVPVS RQFAAYCYNS SDTWTNSCIP EIITTKDPIF NTQTATQTTE FIVSDSTYSV ASPYSTIPAP
TTTTPPAPAST SIPRRKKLIC VTEVFMETST MSTETEPFVE NKA AFKNEAA GFGG<HHHHHH>

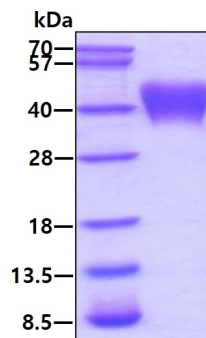
General References

Chen L. et al. (2005) Invest. Ophthalmol Vis. Sci. 46:4536-4540.

Banerji S. et al. (1999) J. Cell Biol. 144:789-801.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain