

Recombinant human LYVE-1 protein

Catalog Number: LYV0801

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

25-235aa

UniProt No.

Q9Y5Y7

NCBI Accession No.

NP_006682

Alternative Names

Lymphatic vessel endothelial hyaluronan receptor 1, CRSBP-1, HAR, LYVE-1, XLKD1, Lymphatic vessel endothelial hyaluronan receptor 1, 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

24.8 kDa (229aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

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

Lymphatic vascular endothelial hyaluronan receptor-1 (LYVE-1), a 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. LYVE1 is also known as XLKD1 and may function in lymphatic

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hyaluronan transport and have a role in tumor metastasis. Recombinant human LYVE1 was expressed in High Five insect cells and purified by conventional chromatography techniques. As a result of glycosylation, the size of molecular weight will be shift-up as an approximately 50 kDa on SDS-PAGE analysis.

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 GF GG<SGRLVP RGS HHHHHH>

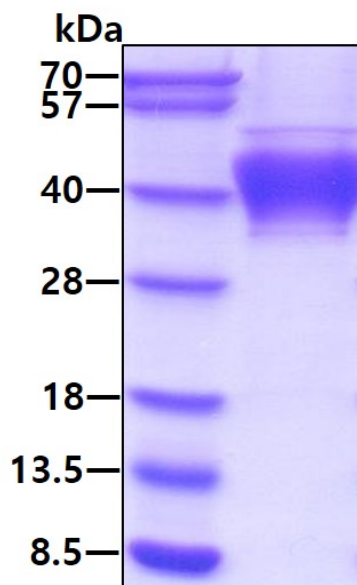
General References

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.