Datasheet for ABIN7318754

LYVE1 Protein (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	LYVE1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LYVE1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human LYVE1/HAR Protein (His Tag)
Sequence:	Leu20-Thr 238
Characteristics:	Recombinant Human Lymphatic Vessel Endothelial Hyaluronic Acid Receptor 1 is produced by our Mammalian expression system and the target gene encoding Leu20-Thr238 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	LYVE1
Alternative Name:	LYVE1/HAR (LYVE1 Products)
Background:	Background: Lymphatic Vessel Endothelial Hyaluronic Acid Receptor 1 is a single-pass type I membrane protein. LYVE-1 is a CD44 homolog found primarily on lymphatic endothelial cells 1.

Target Details

	LYVE-1 mainly expressed in endothelial cells lining lymphatic vessels. While LYVE-1 functions is a Ligand-specific transporter trafficking between intracellular organelles (TGN) and the plasma membrane. LYVE-1 plays a role in autocrine regulation of cell growth mediated by growth regulators containing cell surface retention sequence binding (CRS). It may act as an hyaluronan (HA) transporter, either mediating its uptake for catabolism within lymphatic endothelial cells themselves, or its transport into the lumen of afferent lymphatic vessels for subsequent re-uptake and degradation in lymph nodes. Synonym: Lymphatic Vessel Endothelial Hyaluronic Acid Receptor 1, LYVE-1, Cell Surface Retention Sequence-Binding Protein 1, CRSBP-1, Extracellular Link Domain-Containing Protein 1, Hyaluronic Acid Receptor, LYVE1, CRSBP1, HAR, XLKD1
Molecular Weight:	24.6 kDa
UniProt:	Q9Y5Y7
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris-Citrate,1 50 mM NaCl, pH 7.0.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

