

# Recombinant Human LYVE1/HAR Protein (His Tag)

Catalog Number:PKSH032725



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

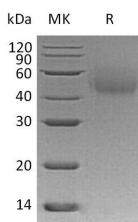
## Description

<b>Synonyms</b>	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
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Leu20-Thr 238
<b>Accession</b>	AAH26231.1
<b>Calculated Molecular Weight</b>	24.6 kDa
<b>Observed molecular weight</b>	46 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-Citrate, 150mM NaCl, pH 7.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the product insert.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## 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. LYVE-1 is mainly expressed in endothelial cells lining lymphatic vessels. While LYVE-1 functions as 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

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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.

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