

# Recombinant Human Lymphatic Vessel Endothelial Hyaluronan Receptor 1

**Cat. No.** LYVE1-906H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	LYVE1 Human Recombinant produced in insect cells is a single, glycosylated polypeptide chain containing 229 amino acids and having a molecular mass of 24.8 kDa. As a result of glycosylation, the LYVE1 migrates on SDS-PAGE at approximately 50 kDa.
<b>Species</b>	Human
<b>Source</b>	Human
<b>Description</b>	LYVE1 is a selective marker of the lymphatic endothelium & a surface endocytic receptor for both soluble and immobilized hyaluronan, LYVE1 is an extracellular glycosaminoglycan that plays a role in cell adhesion and migration. LYVE1 functions in lymphatic hyaluronan transport and is involved in tumor metastasis.
<b>Form</b>	The LYVE1 protein solution contains 20 mM Tris buffer pH-7.5 and 10 % Glycerol.
<b>Purity</b>	Greater than 90.0% as determined by (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Physical Appearance</b>	Sterile Filtered colorless solution.
<b>Amino acid sequence</b>	DPLRAEELS IQVSCRIMGI TLVSKKANQQ LNFTEAKEAC RLLGLSLAGK DQVETALKAS FETCSYGWVG DGFVVISRIS PNPKCGKNGV GVLIRKVPVS RQFAAYCYNS SDTWTNSCIP EIITTKDPIF NTQTATQTTE FIVSDSTYSV

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ASPYSTIPAP TTTTPAPAST SIPRRKKLIC VTEVFMETST MSTETEPFVE  
 NKAAFKNEAA GFGGSGRLVP RGSHHHHHH

**Storage**

LYVE1 although stable 4°C for 4 weeks, should be stored desiccated 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.

## GENE INFORMATION

**Gene Name** [LYVE1 lymphatic vessel endothelial hyaluronan receptor 1 \[ Homo sapiens \]](#)

**Official Symbol** [LYVE1](#)

**Synonyms**

LYVE1; lymphatic vessel endothelial hyaluronan receptor 1; HAR; XLKD1; LYVE-1;  
 CRSBP-1; lymphatic vessel endothelial hyaluronic acid receptor 1;  
 OTTHUMP00000230796; OTTHUMP00000230798;hyaluronic acid receptor;  
 extracellular link domain containing 1; extracellular link domain-containing 1;  
 extracellular link domain-containing protein 1; cell surface retention sequence binding  
 protein-1; cell surface retention sequence-binding protein 1; UNQ230/PRO263

**Gene ID** [10894](#)

**mRNA Refseq** [NM\\_006691](#)

**Protein Refseq** [NP\\_006682](#)

**MIM** [605702](#)

**UniProt ID** [Q9Y5Y7](#)

**Chromosome** 11p15

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**Location**

**Function**

binding; hyaluronic acid binding; receptor activity; transmembrane receptor activity

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