

# Recombinant Human Lymphatic Vessel Endothelial Hyaluronan Receptor 1, His-tagged

**Cat. No.** LYVE1-907H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Soluble LYVE1 Human Recombinant fused to a C-terminal His-tag ( 6xHis ) produced in baculovirus is a monomeric, glycosylated, polypeptide containing 232 amino acids (Met-1 to Gly 232) and having a total molecular mass of 25 kDa but as a result of glycosilation the Mw is 40 kDa.
<b>Species</b>	Human
<b>Source</b>	Human
<b>ProteinLength</b>	1-232 a.a.
<b>Description</b>	LYVE-1 has been identified as a major receptor for HA ( extracellular matrix glycosaminoglycan hyaluronan ) on the lymph vessel wall. The deduced amino acid sequence of LYVE-1 predicts a 322-residue type I integral membrane polypeptide 41 % similar to the CD44 HA receptor with a 212-residue extracellular domain containing a single Link module the prototypic HA binding domain of the Link protein superfamily.
<b>Form</b>	LYVE1 was lyophilized from a concentrated (1 mg/ml) sterile solution containing no additives.
<b>Purity</b>	Greater than 95.0 % as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

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<b>Physical Appearance</b>	Sterile Filtered White lyophilized ( freeze-dried ) powder.
<b>Solubility</b>	It is recommended to reconstitute the lyophilized LYVE1 in sterile water not less than 100 g/ml, which can then be further diluted to other aqueous solutions.
<b>Storage</b>	Lyophilized sLYVE-1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution sLYVE-1 should be stored at 4°C between 2-7 days and for future use 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

<b>Gene Name</b>	LYVE1 lymphatic vessel endothelial hyaluronan receptor 1 [ Homo sapiens ]
<b>Official Symbol</b>	LYVE1
<b>Synonyms</b>	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
<b>Gene ID</b>	10894
<b>mRNA Refseq</b>	NM_006691
<b>Protein Refseq</b>	NP_006682
<b>MIM</b>	605702

<b>UniProt ID</b>	Q9Y5Y7
<b>Chromosome Location</b>	11p15
<b>Function</b>	binding; hyaluronic acid binding; receptor activity; transmembrane receptor activity

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