

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human
ProteinLength	1-232 a.a.
Description	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.
Form	LYVE1 was lyophilized from a concentrated (1 mg/ml) sterile solution containing no additives.
Purity	Greater than 95.0 % as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

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Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Solubility	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.
Storage	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	
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

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UniProt ID	Q9Y5Y7
Chromosome Location	11p15
Function	binding; hyaluronic acid binding; receptor activity; transmembrane receptor activity

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