Recombinant Human Lymphatic Vessel Endothelial Hyaluronan Receptor 1

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human
Description	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 lympathic hyaluronan transport and is involved in tumor metastasis.
Form	The LYVE1 protein solution contains 20 mM Tris buffer pH-7.5 and 10 % Glycerol.
Purity	Greater than 90.0% as determined by (a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Physical Appearance	Sterile Filtered colorless solution.
Amino acid sequence	DPLRAEELS IQVSCRIMGI TLVSKKANQQ LNFTEAKEAC RLLGLSLAGK DQVETALKAS FETCSYGWVG DGFVVISRIS PNPKCGKNGV GVLIRKVPVS RQFAAYCYNS SDTWTNSCIP EIITTKDPIF NTQTATQTTE FIVSDSTYSV

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	ASPYSTIPAP TTTPPAPAST 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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