

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 lymphatic 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 PNPCKGKNGV GVLIRKVPVS RQFAAYCYNs SDTWTNSCIP EIITTKDPIF NTQTATQTTE FIVSDSTYSV

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ASPYSTIPAP TTTTPAPAST SIPRRKKLIC VTEVFMETST MSTETEPFVE
NKA AFKNEAA GFGGSGRLVP RGS HHHHHH

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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