

## 32-3040: LYVE-1 Recombinant Protein(Discontinued)

**Alternative Name :** Lymphatic vessel endothelial hyaluronic acid receptor 1 precursor,LYVE-1,Cell surface retention sequence-binding protein 1,CRSBP-1,Hyaluronic acid receptor,Extracellular link domain-containing protein.

### Description

Source : Escherichia Coli. Soluble LYVE1 Human Recombinant fused to a GST-tag produced in E.Coli is a single, non-glycosylated, polypeptide containing 243-323 amino acids and having a total molecular mass of 36 kDa. The LYVE-1 is purified by proprietary chromatographic techniques. 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. Like CD44, the LYVE-1 molecule binds both soluble and immobilized HA. However, unlike CD44, the LYVE-1 molecule colocalizes with HA on the luminal face of the lymph vessel wall and is completely absent from blood vessels. Hence, LYVE-1 is the first lymph-specific HA receptor to be characterized and is a uniquely powerful marker for lymph vessels themselves.

### Product Info

**Amount :** 5 µg  
**Purification :** Greater than 90.0% as determined by(a)Analysis by RP-HPLC.(b)Analysis by SDS-PAGE.  
**Content :** LYVE-1 Human Recombinant protein at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.  
**Storage condition :** LYVE-1 although stable at 15°C for 1 week, 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.