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## Datasheet for ABIN1589750 LYVE1 Protein (Soluble) (His tag)



Target:LYVE1Target:LYVE1Protein Characteristics:SolubleSource:Insect CellsProtein Type:RecombinantPurification tag / Conjugate:This LYVE1 protein is labelled with His tag.Product DetailsADLVQDLSIS TCRIMGVALV GRNKNPQMNF TEANEACKML GLTLASRDQV ESAQKSGFET CSYGWVGEQF SVIPRIFSNP RCGKNGKGVL IWNAPSSQKF KAYCHNSSDT WVNSCIPEIV TTFYPVLDTQ TPATEFSVSS SAYLASSPDS TTPVSATTRA PPLTSMARKT KKICITEVYT EPITMATETE AFVASGAAFK NEAAGHHHHH HCharacteristics:Length (AA): 211 Chromosomal location: 7, 7F2Purity:> 95 % by SDS-PAGE. Visualized by silver stainTarget DetailsLYVE1Attenative Name:Lyve1 (LYVE1 Products)	Overview	
Protein Characteristics:SolubleOrigin:MouseSource:Insect CellsProtein Type:RecombinantPurification tag / Conjugate:This LYVE1 protein is labelled with His tag.Product DetailsADLVQDLSIS TCRIMGVALV GRNKNPQMNF TEANEACKML GLTLASRDQV ESAQKSGFET CSYGWVGEQF SVIPRIFSNP RCGKNGKGVL IWNAPSSQKF KAYCHNSSDT WVNSCIPEIV TTFYPVLDTQ TPATEFSVSS SAYLASSPDS TTPVSATTRA PPLTSMARKT KKICITEVYT EPITMATETE AFVASGAAFK NEAAGHHHHH HCharacteristics:Length (AA): 211 Chromosomal location: 7, 7F2Purity:>95 % by SDS-PAGE. Visualized by silver stainTarget DetailsLVVE1Target:LVVE1Attenative Name:Lyve1 (LYVE1 Products)	Quantity:	20 µg
Origin:MouseSource:Insect CellsProtein Type:RecombinantProtein Type:This LYVE1 protein is labelled with His tag.Product DetailsADLVQDLSIS TCRIMGVALV GRNKNPQMNF TEANEACKML GLTLASRDQV ESAQKSGFET CSYGWVGEQF SVIPRIFSNP RCGKNGKGVL IWNAPSSQKF KAYCHNSSDT WVNSCIPEIV TTFVPVLDTQ TPATEFSVSS SAYLASSPDS TTPVSATTRA PPLTSMARKT KKICITEVYT EPITMATETE AFVASGAAFK NEAAGHHHHH HCharacteristics:Length (AA): 211 Chromosomal location: 7, 7F2Purity:>95% by SDS-PAGE. Visualized by silver stainTarget DetailsLYVE1Target:LYVE1Attenative Name:Lyve1 (LYVE1 Products)	Target:	LYVE1
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Protein Type:       Recombinant         Purification tag / Conjugate:       This LYVE1 protein is labelled with His tag.         Product Details       ADLVQDLSIS TCRIMGVALV GRNKNPQMNF TEANEACKML GLTLASRDQV ESAQKSGFET CSYGWVGEQF SVIPRIFSNP RCGKNGKGVL IWNAPSSQKF KAYCHNSSDT WVNSCIPEIV TTFYPVLDTQ TPATEFSVSS SAYLASSPDS TTPVSATTRA PPLTSMARKT KKICITEVYT EPITMATETE AFVASGAAFK NEAAGHHHHH H         Characteristics:       Length (AA): 211 Chromosomal location: 7, 7F2         Purity:       >95% by SDS-PAGE. Visualized by silver stain         Target:       LYVE1         Atternative Name:       Lyve-1 (LYVE1 Products)	Origin:	Mouse
Purification tag / Conjugate:       This LYVE1 protein is labelled with His tag.         Product Details         Sequence:       ADLVQDLSIS TCRIMGVALV GRNKNPQMNF TEANEACKML GLTLASRDQV ESAQKSGFET CSYGWVGEQF SVIPRIFSNP RCGKNGKGVL IWNAPSSQKF KAYCHNSSDT WVNSCIPEIV TTFYPVLDTQ TPATEFSVSS SAYLASSPDS TTPVSATTRA PPLTSMARKT KKICITEVYT EPITMATETE AFVASGAAFK NEAAGHHHHH H         Characteristics:       Length (AA): 211 Chromosomal location: 7, 7F2         Purity:       >95 % by SDS-PAGE. Visualized by silver stain         Target Details       LYVE1         Alternative Name:       Lyve-1 (LYVE1 Products)	Source:	Insect Cells
Product Details         Sequence:       ADLVQDLSIS TCRIMGVALV GRNKNPQMNF TEANEACKML GLTLASRDQV ESAQKSGFET CSYGWVGEQF SVIPRIFSNP RCGKNGKGVL IWNAPSSQKF KAYCHNSSDT WVNSCIPEIV TTFYPVLDTQ TPATEFSVSS SAYLASSPDS TTPVSATTRA PPLTSMARKT KKICITEVYT EPITMATETE AFVASGAAFK NEAAGHHHHH H         Characteristics:       Length (AA): 211 Chromosomal location: 7, 7F2         Purity:       >95 % by SDS-PAGE. Visualized by silver stain         Target Details       LYVE1         Alternative Name:       Lyve1 (LYVE1 Products)	Protein Type:	Recombinant
Sequence:       ADLVQDLSIS TCRIMGVALV GRNKNPQMNF TEANEACKML GLTLASRDQV ESAQKSGFET         CSYGWVGEQF SVIPRIFSNP RCGKNGKGVL IWNAPSSQKF KAYCHNSSDT WVNSCIPEIV         TTFYPVLDTQ TPATEFSVSS SAYLASSPDS TTPVSATTRA PPLTSMARKT KKICITEVYT         EPITMATETE AFVASGAAFK NEAAGHHHHH H         Characteristics:       Length (AA): 211         Chromosomal location: 7, 7F2         Purity:       >95 % by SDS-PAGE. Visualized by silver stain         Target Details         Target:       LYVE1         Alternative Name:       Lyve1 (LYVE1 Products)	Purification tag / Conjugate:	This LYVE1 protein is labelled with His tag.
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TTFYPVLDTQ TPATEFSVSS SAYLASSPDS TTPVSATTRA PPLTSMARKT KKICITEVYT EPITMATETE AFVASGAAFK NEAAGHHHHH HCharacteristics:Length (AA): 211 Chromosomal location: 7, 7F2Purity:> 95 % by SDS-PAGE. Visualized by silver stainTarget DetailsVVE1Target:LYVE1Alternative Name:Lyve-1 (LYVE1 Products)	Sequence:	ADLVQDLSIS TCRIMGVALV GRNKNPQMNF TEANEACKML GLTLASRDQV ESAQKSGFET
EPITMATETE AFVASGAAFK NEAAGHHHHH H         Characteristics:       Length (AA): 211 Chromosomal location: 7, 7F2         Purity:       > 95 % by SDS-PAGE. Visualized by silver stain         Target Details       YVE1         Alternative Name:       Lyve1 (LYVE1 Products)		CSYGWVGEQF SVIPRIFSNP RCGKNGKGVL IWNAPSSQKF KAYCHNSSDT WVNSCIPEIV
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Chromosomal location: 7, 7F2       Purity:     > 95 % by SDS-PAGE. Visualized by silver stain       Target Details       Target:     LYVE1       Alternative Name:     Lyve-1 (LYVE1 Products)		EPITMATETE AFVASGAAFK NEAAGHHHHH H
Purity: > 95 % by SDS-PAGE. Visualized by silver stain   Target Details   Target: LYVE1   Alternative Name: Lyve-1 (LYVE1 Products)	Characteristics:	Length (AA): 211
Target Details         Target:       LYVE1         Alternative Name:       Lyve-1 (LYVE1 Products)		Chromosomal location: 7, 7F2
Target:     LYVE1       Alternative Name:     Lyve-1 (LYVE1 Products)	Purity:	> 95 % by SDS-PAGE. Visualized by silver stain
Alternative Name: Lyve-1 (LYVE1 Products)	Target Details	
	Target:	LYVE1
Background: A DNA sequence encoding the extracellular domain of mouse LYVE-1 (Met1 – Glv228) was	Alternative Name:	Lyve-1 (LYVE1 Products)
	Background:	A DNA sequence encoding the extracellular domain of mouse LYVE-1 (Met1 – Gly228) was

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	fused to a C-terminal His-tag (6xHis) and expressed in insect cells. Based on N-terminal
	sequence analysis, the primary structure of recombinant mature sLYVE-1 starts at Ala24.
	sLYVE-1 has a calculated monomeric molecular mass of about 25 kDa but as a result of
	glycosylation, migrates at approximately 35 - 45 kDa under reducing conditions in SDS-PAGE.
	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.
	Synonyms: Lyve1, Xlkd1, Lyve-1, Crsbp-1, 1200012G08Rik
Molecular Weight:	35.0 - 45.0 kDa
NCBI Accession:	NP_444477, NM_053247
UniProt:	Q8BHC0
Pathways:	Glycosaminoglycan Metabolic Process

## Application Details

Application Notes:	Not tested so far!
Comment:	Soluble Receptors
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	The lyophilized sLYVE-1 is soluble in water and most aqueous buffers. The lyophilized sLYVE-1 should be reconstituted in PBS or medium to a concentration not lower than 50 µg/mL.
Buffer:	PBS
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C/-80 °C

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Handling	
Storage Comment:	Lyophilized samples are stable for greater than six months at -20 °C to -70 °C. Reconstituted sLYVE-1 should be stored in working aliquots at -20 °C.
Expiry Date:	6 months