Recombinant Human ABLIM1

Cat. No. ABLIM1-26043TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ABLIM1 isoform 4 with a N terminal proprietary tag; Predicted MW 70.18 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	401 amino acids
Description	This gene encodes a cytoskeletal LIM protein that binds to actin filaments via a domain that is homologous to erythrocyte dematin. LIM domains, found in over 60 proteins, play key roles in the regulation of developmental pathways. LIM domains also function as protein-binding interfaces, mediating specific protein-protein interactions. The protein encoded by this gene could mediate such interactions between actin filaments and cytoplasmic targets. Alternatively spliced transcript variants encoding different isoforms have been identified.
Molecular Weight	70.180kDa inclusive of tags
Tissue specificity	Detected in liver, heart, skeletal muscle, brain and retina, where it is concentrated in the inner segment and in the outer plexiform layers.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MFTEGEEMYLQGSTVWHPDCKQSTKTEEKLRAKVDNEILD YKDLAAIPKVKAIYDIE RPDLITYEPFYTSGYDDKQERQS LGESPRTLSPTPSAEGYQDVRDRMIHRSTSQGS INSPVYS RHSYTPTTSRSPQHFHRPDQGINIYRKPPIYKQHAALAAQ SKSSEDIIKFS KFPAAQAPDPSETPKIETDHWPGPPSFAV VGPDMKRRSSGREEDDEELLRRRQLQ EEQLMKLNSGLGQL ILKEEMEKESRERSSLLASRYDSPINSASHIPSSKTASLP GYG RNGLHRPVSTDFAQYNSYGDVSGGVRDYQTLPDGHMP AMRMDRGVSMPNMLEP KIFPYEMLMVTNRGRNKILREVDR TRLERHLAPEVFREIFGMSIQEFDRLPLWRRND MKKKAKL F
Sequence Similarities	Contains 1 HP (headpiece) domain.Contains 4 LIM zinc-binding domains.

GENE INFORMATION

Gene Name	ABLIM1 actin binding LIM protein 1 [Homo sapiens]
Official Symbol	ABLIM1
Synonyms	ABLIM1; actin binding LIM protein 1; ABLIM, LIMAB1; actin-binding LIM protein 1; abLIM; limatin;
Gene ID	3983
mRNA Refseq	NM_001003407
Protein Refseq	NP_001003407

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MIM	602330
Uniprot ID	O14639
Chromosome Location	10q25
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; DCC mediated attractive signaling, organism-specific biosystem; Developmental Biology, organism-specific biosystem;
Function	actin binding; metal ion binding; protein binding; zinc ion binding;

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