

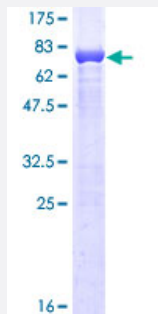
Full-Length

ABLIM1 (Human) Recombinant Protein (P01)

Catalog # H00003983-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human ABLIM1 full-length ORF (AAH02448.1, 1 a.a. - 401 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MFTEGEEMYLQGSTVWHPDCKQSTKTEEKLRAKVDNEILDYKDAAIPKVKAYDIERPDLITYEPF
YTSGYDDKQERQSLGESPRTLSPTPSAEGYQDVRDRMIHRSTSQGSINSPVYSRHSYPTTSRSP
QHFHRPDQGINYRKPPYKQHAALAAQSKSSEDIKFSKFPAAPDPSETPKIETDHWPGPPSFA
VVGPDMMKRRSSGREEDDEELLRRRQLQEEQLMKLNSGLGQLILKEEMEKEKSRERSLLASRYDS
PINSASHIPSSKTASLPGYGRNGLHRPVSTDFAQYNSYGDVSGGVDRDYQTLPDGHMPAMRMDRG
VSMPNMLEPKIFPYEMLMVTNRGRNKILREVDRTLRLERHLAPEVFREIFGMSIQEFDRPLPLWRRND
MKKKAKLF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

72.5

Interspecies Antigen Sequence

Mouse (90)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ABLIM1

Entrez GeneID	3983
GeneBank Accession#	BC002448.2
Protein Accession#	AAH02448.1
Gene Name	ABLIM1
Gene Alias	ABLIM, DKFZp781D0148, FLJ14564, KIAA0059, LIMAB1, LIMATIN, MGC1224
Gene Description	actin binding LIM protein 1
Omim ID	602330
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	LIM actin-binding protein 1 OTTHUMP00000020530 OTTHUMP00000020531 OTTHUMP00000020536 actin-binding LIM protein 1 actin-binding double-zinc-finger protein

Publication Reference

- [ABLIM1, a novel ubiquitin E3 ligase, promotes growth and metastasis of colorectal cancer through targeting IκBα ubiquitination and activating NF-κB signaling.](#)

Ying He, Qian Shi, Yuhang Ling, Huihui Guo, Yi Fei, Ruoyu Wu, Chengwu Tang, Xilin Zhang, Linhua Yao.

Cell Death and Differentiation 2024 Feb; 31(2):203.

Application: Autoubiquitination assay, Human, HCT16 cell line

Pathway

- [Axon guidance](#)

Disease

- [Alzheimer Disease](#)
- [Arthritis](#)
- [Bipolar Disorder](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)