

Product datasheet

Recombinant Human ALIX protein ab132534

1 Image

Description

Product name	Recombinant Human ALIX protein
Expression system	Wheat germ
Accession	Q8WUM4
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Sequence

MATFISVQLKKTSEVDLAKPLVKFIQQTYPSPGGEEQAQYC
 RAAEELSKLR
 RAAVGRPLDKHEGALETLLRYDQICSIEPKFPFSENQICL
 TFTWKDAFD
 KGSLFGGSVKLALASLGYEKSCVLFNCAALASQIAAEQNL
 DNDEGLKIAA
 KHYQFASGAFLHIKETVLSALSREPTVDISPDTVGTLSLIML
 AQAQEVFF
 LKATRDKMKDAIIAKLANQAADYGFDAFKQCQYKDTLPKE
 VFPVLAAKHC
 IMQANAHEYQSILAKQQKKFGEEIARLQHAELIKTVASRY
 DEYVNVKDF
 SDKINRALAAAKKDNDFIYHDRVLDKDLDPIGKATLVKST
 PVNVPISQK
 FTDLFEKMVPVSVQQSLAAYNQRKADLVNRSIAQMREAT
 TLANGVLAASN
 LPAAIEDVSGDTPQSILTKSRVIEQGGIQTVDQLIKELPE
 LLQRNREI
 LDESLRLLDEEEATDNDLRAKFKERWQRTPSNELYKPLR
 AEGTNFRTVLD
 KAVQADGQVKECYQSHRDTIVLLCKPEPELNAAIPSANPA
 KTMQGSEVVN
 VLKSLLSNLDEVKKEREGLENDLKSVMFDMTSKFLTALAQ
 DGVINEEALS
 VTELDRVYGGTTKVQESLKKQEGLLKNIQVSHQEFKMK
 QSNNEANLRE
 EVLKNLATAYDNFVELVANLKEGTFYNELTEILVRFQNK
 SDIVFARKT

ERDELLKDLQQSIAREPSAPSIPTPAYQSSPAGGHAPTPP
TPAPRTMPPT
KPQPPARPPPPVLPANRAPSATAPSPVGAGTAAPAPSQT
PGSAPPPQAQG
PPYPTYPGYGYCQMPMPMGYNPYAYGQYNMPYPPVYHQ
SPGQAPYGPQ QPSYFPQPPQSSYYPQQ

Predicted molecular weight	121 kDa including tags
Amino acids	1 to 868
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab132534** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	ELISA Western blot SDS-PAGE
Form	Liquid

Additional notes

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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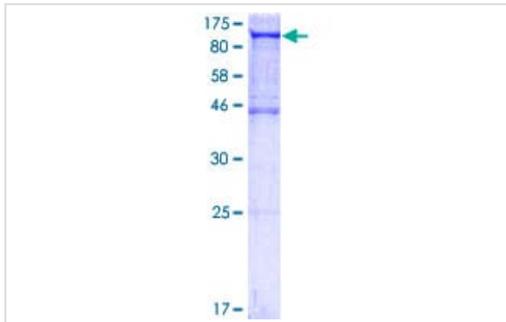
General Info

Function	Class E VPS protein involved in concentration and sorting of cargo proteins of the multivesicular body (MVB) for incorporation into intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome. Binds to the phospholipid lysobisphosphatidic acid (LBPA) which is abundant in MVBs internal membranes. The MVB pathway appears to require the sequential function of ESCRT-O, -I, -II and -III complexes. The ESCRT machinery also functions in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis and enveloped virus budding (HIV-1 and other lentiviruses). Appears to be an adapter for a subset of ESCRT-III proteins, such as CHMP4, to function at distinct membranes. Required for completion of cytokinesis. Involved in HIV-1 virus budding. Can replace TSG101 its role of supporting HIV-1 release; this function implies the interaction with CHMP4B. May play a role in the regulation of both apoptosis and cell proliferation.
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Sequence similarities	Contains 1 BRO1 domain.
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Cellular localization	Cytoplasm > cytosol. Melanosome. Cytoplasm > cytoskeleton > centrosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV. Colocalized with CEP55 in the midbody during cytokinesis. Colocalized with CEP55 at centrosomes of non-dividing cells.
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Images



12.5% SDS-PAGE Stained with Coomassie Blue.

SDS-PAGE - Recombinant Human ALIX protein
(ab132534)

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