abcam

Product datasheet

Recombinant Human Gelsolin plasma protein abl 14279

1 Image

Description

Product name Recombinant Human Gelsolin plasma protein

Expression system Wheat germ
Accession P06396-1

Protein length Full length protein

Animal free No.

Nature Recombinant

Species Human

Sequence MAPHRPAPALLCALSLALCALSLPVRAATASRGASQAGA

PQGRVPEARPN

SMVVEHPEFLKAGKEPGLQWRVEKFDLVPVPTNLYGDF

FTGDAYVILKT

VQLRNGNLQYDLHYWLGNECSQDESGAAAIFTVQLDDYL

NGRAVQHREVQ

GFESATFLGYFKSGLKYKKGGVASGFKHVVPNEVVVQRL

FQVKGRRVVRA

TEVPVSWESFNNGDCFILDLGNNIHQWCGSNSNRYERLK

ATQVSKGIRDN

ERSGRARVHVSEEGTEPEAMLQVLGPKPALPAGTEDTAK

EDAANRKLAKL

YKVSNGAGTMSVSLVADENPFAQGALKSEDCFILDHGKD

GKIFVWKGKQA

NTEERKAALKTASDFITKMDYPKQTQVSVLPEGGETPLFK

QFFKNWRDPD

QTDGLGLSYLSSHIANVERVPFDAATLHTSTAMAAQHGMD

DDGTGQKQIW

RIEGSNKVPVDPATYGQFYGGDSYIILYNYRHGGRQGQIIYN

WQGAQSTQ

DEVAASAILTAQLDEELGGTPVQSRVVQGKEPAHLMSLF

GGKPMIIYKGG

TSREGGQTAPASTRLFQVRANSAGATRAVEVLPKAGALN

SNDAFVLKTPS

AAYLWVGTGASEAEKTGAQELLRVLRAQPVQVAEGSEP

DGFWEALGGKAA

1

YRTSPRLKDKKMDAHPPRLFACSNKIGRFVIEEVPGELMQ

EDLATDDVML

LDTWDQVFVWVGKDSQEEEKTEALTSAKRYJETDPANRD

RRTPITVVKQG

FEPPSFVGWFLGWDDDYWSVDPLDRAMAELAA

Predicted molecular weight

1 to 782

GST tag N-Terminus

112 kDa including tags

Specifications

Amino acids

Tags

Our Abpromise guarantee covers the use of ab114279 in the following tested applications.

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

Applications SDS-PAGE

Western blot

ELISA

Form Liquid

Preparation and Storage

Stability and Storage Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

00.8 :Ha

Constituents: 0.3% Glutathione, 0.79% Tris HCI

General Info

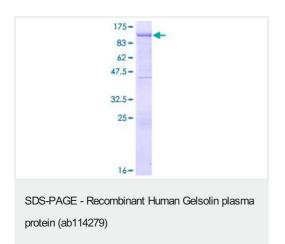
Relevance Gelsolin is a calcium regulated, actin modulating protein that binds to the plus (or barbed) ends of

actin monomers or filaments, preventing monomer exchange (end blocking or capping). It can promote the assembly of monomers into filaments (nucleation) as well as sever filaments already formed. It plays a role in phosphoinositide mediated disassembly of actin filaments in Sertoli cell adhesion complexes; it may regulate sperm release and turnover of the blood testis barrier [RGD], and severs actin filaments in the presence of submicromolar calcium, thereby solating cytoplasmic actin gels. A calcium independent mechanism reverses the process. Northern blot analysis suggested that a single gene encodes both cell and plasma gelsolins. This protein may

be unique in that it is made for both secretion and intracytoplasmic location.

Cellular localization Secreted

Images



12.5% SDS-PAGE analysis of ab114279 stained with Coomassie Blue.

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