

Recombinant Human Gelsolin plasma protein

ab114279

1 Image

Description

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|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name | Recombinant Human Gelsolin plasma protein |
| Expression system | Wheat germ |
| Accession | <u>P06396-1</u> |
| Protein length | Full length protein |
| Animal free | No |
| Nature | Recombinant |
| Species | Human |
| Sequence | MAPHRPAPALLCALSLALCALSLPVRAATASRGASQAGA PQGRVPEARPN SMVVEHPEFLKAGKEPGLQWRVEKFDLVPVPTNLYGDF FTGDAYVILKT VQLRNGNLQYDLHYWLGNECSQDESGAAAIFTVQLDDYL NGRAVQHREVQ GFESATFLGYFKSGLKYKKGGVASGFKHVVVPNEVVVQRL FQVKGRRVVRA TEVPVSWESFNNGDCFILDLGNNIHQWCGSNSNRYERLK ATQVSKGIRDN ERSGRARVHVSEEGTEPEAMLQVLGPKPALPAGTEDTAK EDAANRKLAKL YKVSNGAGTMSVSLVADENPFAQGALKSEDCFILDHGKD GKIFVWKGKQA NTEERKAALKTASDFITKMDYPKQTQVSVLPEGGETPLFK QFFKNWRDPD QTDGLGLSYLSSHIANVERVPFDAATLHTSTAMAAQHGM DDGTGQKQW RIEGSNKVPVDPATYGQFYGGDSYILYNYRHGGRQGQIYN WQGAQSTQ DEVAASAILTAQLDEELGGTPVQSRVVQGKEPAHLMSLF GGKPMIYKGG TSREGGQTAPASTRLFQVRANSAGATRAVEVLPGAGALN SNDAFVLKTPS AAYLWVG TGASEAEKTGAQELLRVLRAQPVQVAEGSEP DGFWEALGGKAA |

YRTSPRLKDKKMDAHPRLFACSNKIGRFVIEEVPGELMQ
EDLATDDVML
LDTWDQVFVWVGKDSQEEEEKTEALTSAKRYIETDPANRD
RRTPITVVKQG
FEPPSFVGWFLGWDDDYWSVDPLDRAMAELAA

| | |
|-----------------------------------|------------------------|
| Predicted molecular weight | 112 kDa including tags |
| Amino acids | 1 to 782 |
| Tags | GST tag N-Terminus |

Specifications

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

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|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stability and Storage | Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|

General Info

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|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.

SDS-PAGE - Recombinant Human Gelsolin plasma protein (ab114279)

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