abcam

Product datasheet

Recombinant Human SEPT6 protein ab113123

1 Image

Description

Product name	Recombinant Human SEPT6 protein
Purity	> 90 % SDS-PAGE. ab113123 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	Q14141
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	**MGSSHHHHHHSSGLVPRGSHMGS**MAATDIARQVGEGC RTVPLAGHVGFDS LPDQLVNKSVSQGFCFNILCVGETGLGKSTLMDTLFNTKF EGEPATHTQP GVQLQSNTYDLQESNVRLKLTIVSTVGFGDQINKEDSYKPI VEFIDAQFE AYLQEELKIRRVLHTYHDSRIHVCLYFIAPTGHSLKSLDLVT MKKLDSKV NIIPIIAKADAISKSELTKFKIKITSELVSNGVQIYQFPTDDESV AEING TMNAHLPFAVIGSTEELKIGNKMMRARQYPWGTVQVENE AHCDFVKLREM LIRVNMEDLREQTHTRHYELYRRCKLEEMGFKDTDPDSKP FSLQETYEAK RNEFLGELQKKEEEMRQMFVQRVKEKEAELKEAEKELH EKFDRLKKLHQD EKKKLEDKKKSLDDEVNAFKQRKTAAELPQSQGSQAGG SQTLKRDKEKKN NPWLCTE
Predicted molecular weight	52 kDa including tags
Amino acids	1 to 434
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab113123** 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
Form	Liquid

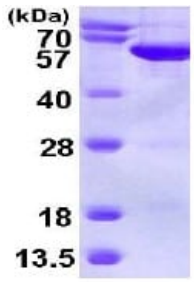
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.03% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function	Filament-forming cytoskeletal GTPase. Required for normal organization of the actin cytoskeleton. Involved in cytokinesis. May play a role in HCV RNA replication.
Tissue specificity	Widely expressed.
Sequence similarities	Belongs to the septin family.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Cytoplasm. Cytoplasm > cytoskeleton > spindle. Chromosome > centromere > kinetochore. Cleavage furrow. Midbody. In metaphase cells, localized within the microtubule spindle. At the metaphase plate, in close apposition to the kinetochores of the congressed chromosomes. In cells undergoing cytokinesis, localized to the midbody, the ingressing cleavage furrow, and the central spindle.

Images



SDS-PAGE - Recombinant Human SEPT6 protein (ab113123)

15% SDS-PAGE analysis of ab113123 (3 µg)

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