

Recombinant Human ACTR8 protein ab172851

Description

Product name	Recombinant Human ACTR8 protein
Purity	> 95 % SDS-PAGE. ab172851 is greater than 95% pure, as determined by SEC-HPLC and reducing SDS-PAGE. It is supplied as an 0.2 µM filtered solution.
Endotoxin level	< 1.000 Eu/µg
Expression system	Escherichia coli
Accession	<u>Q9H981-3</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MNHKVMILMKMGFSGMVVHQUESVCATYGSGLSSTC/DVG DQKTSVCCVE DGVSHRNRIFSWNQDISGLQDHEFQIRHPDSPALLYQFR LGDEKLQAPM ALFYPATFGVGGQKMTTLQHRSQGDPEPHDEHYLLATQS KQEESAKATA DRKSASKPIGFEGDLRGQSSDLPERLHSQEVDLGSAQGD GLMAGNDSEEA LTALMSRKTAISLFEGKALGLDKAILHSIDCCSSDDTKKKM YSSILVVG GLMFHKAQEFLQHRILNKMPFSFRRIIENVDVITRPKMDMP RLIAWKGGA VLACLDTTQELWYQREWQ RFGVRMLRERAAFW
Predicted molecular weight	38 kDa including tags
Amino acids	1 to 329
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab172851** in the following tested applications.

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

Applications HPLC

SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped on Dry Ice. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
pH: 7.40
Constituents: 99% PBS, 0.02% DTT

General Info

Function Plays an important role in the functional organization of mitotic chromosomes. Exhibits low basal ATPase activity, and unable to polymerize.
Proposed core component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA reoplication and probably DNA repair. Required for the recruitment of INO80 (and probably the INO80 complex) to sites of DNA damage. Strongly prefer nucleosomes and H3-H4 tetramers over H2A-H2B dimers, suggesting it may act as a nucleosome recognition module within the complex.

Sequence similarities Belongs to the actin family. ARP8 subfamily.

Cellular localization Nucleus. Chromosome. Specifically localizes to mitotic chromosomes.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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