

Product datasheet

Recombinant Human ACTR8 protein ab172851

Overview

Product name	Recombinant Human ACTR8 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Accession	Q9H981
Species	Human

Sequence	<p>MNHKVMILMKMGFSGIVVHQESVCATYGSGLSSTCIVD VGDQKTSVCCVE DGVSHRNTRIFSWNQDISGLQDHEFQIRHPDSPALLYQ FRLGDEKLQAPM ALFYATFGVGGKMTTLQHRSQGDPEDPHDEHYLLAT QSKQE QSAKATA DRKSASKPIGFEGDLRGQSSDLPERLHSQEVDLGSA QGDGLMAGNDSEEA LTALMSRKT AISLFEGKALGLDKAILHSIDCCSSDDTKK KMYSSILVVG GLMFHKAQEFLQHRILNKMPPSFRIIENV DVITRPKDM DPRLIAWKGGA VLACLDTTQELWIYQREWQ RFGVRMLRERAAFW</p>
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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

Endotoxin level	< 1.000 Eu/μg
Purity	>95% by 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.
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
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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.

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