abcam

Product datasheet

Recombinant Human Fibrillarin protein ab99443

1 Image

Description

Product name	Recombinant Human Fibrillarin protein
Purity	>= 85 % SDS-PAGE. ab99443 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	P22087
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	**MGSSHHHHHHSSGLVPRGSHRSM**GKNVMVEPHRHEG VFICRGKEDALVTK NLVPGESVYGEKRVSISEGDDKIEYRAWNPFRSKLAAAIL GGVDQIHIKP GAKVLYLGAASGTTVSHVSDIVGPDGLVYAVEFSHRSGR DLINLAKKRTN IIPVIEDARHPHKYRMLIAMVDVIFADVAQPDQTRIVALNAHT FLRNGGH FVISIKANCIDSTASAEAVFASEVKKMQQENMKPQEQLTL EPYERDHAVV VGVYRPPPKVKN
Predicted molecular weight	29 kDa including tags
Amino acids	83 to 321
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab99443** 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 Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

pH: 7.4
Constituents: 0.0154% DTT, 0.316% Tris HCl, 0.0292% EDTA, 20% Glycerol (glycerin, glycerine), 1.16% Sodium chloride

General Info

Function

S-adenosyl-L-methionine-dependent methyltransferase that has the ability to methylate both RNAs and proteins. Involved in pre-rRNA processing by catalyzing the site-specific 2'-hydroxyl methylation of ribose moieties in pre-ribosomal RNA. Site specificity is provided by a guide RNA that base pairs with the substrate. Methylation occurs at a characteristic distance from the sequence involved in base pairing with the guide RNA. Also acts as a protein methyltransferase by mediating methylation of 'Gln-105' of histone H2A (H2AQ104me), a modification that impairs binding of the FACT complex and is specifically present at 35S ribosomal DNA locus (PubMed:24352239).

Sequence similarities

Belongs to the methyltransferase superfamily. Fibrillarin family.

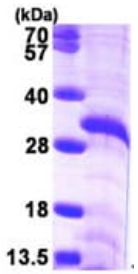
Post-translational modifications

By homology to other fibrillarins, some or all of the N-terminal domain arginines are modified to asymmetric dimethylarginine (DMA).

Cellular localization

Nucleus, nucleolus. Fibrillar region of the nucleolus.

Images



SDS-PAGE - Recombinant Human Fibrillarin protein (ab99443)

15% SDS-PAGE showing ab99443 at approximately 28.9kDa (3µg).

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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