

Product datasheet

Recombinant Human NUDT10 protein ab106890

1 Image

Description

Product name	Recombinant Human NUDT10 protein
Purity	> 95 % SDS-PAGE. ab106890 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>Q8NFP7</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MKCKPNQTRTYDPEGFKKRAACLCFRSEEREDEVLLVSSS RYPDRWMPGG GMEPEEEPPGGAAVREYEEAGVKGKLGRLGCVFEQNQD PKHRTYVYVLTV TELLEDWEDSVSigrkrewfkVEDAIKVLQCHKPVHAEYL EKLKLGGSP TNGNSMAPSSPDSDPLEHHHHHH
Predicted molecular weight	20 kDa including tags
Amino acids	1 to 164
Tags	His tag C-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab106890** 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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -

80°C. Avoid freeze / thaw cycle.

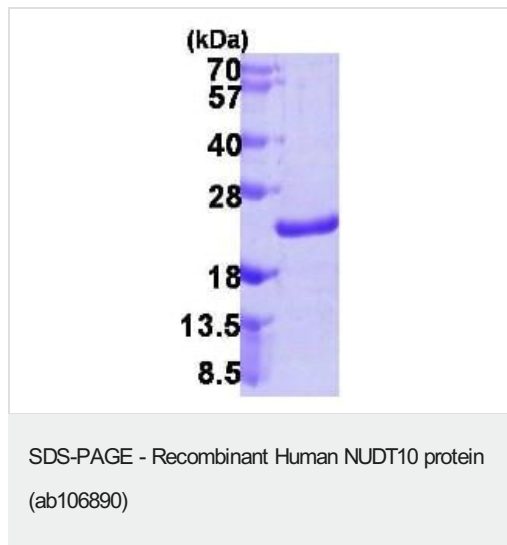
pH: 8.00

Constituents: 0.0154% DTT, 0.316% Tris HCl, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function	Cleaves a beta-phosphate from the diphosphate groups in PP-InsP5 (diphosphoinositol pentakisphosphate), suggesting that it may play a role in signal transduction. Also able to catalyze the hydrolysis of dinucleoside oligophosphates, with Ap6A and Ap5A being the preferred substrates. The major reaction products are ADP and p4a from Ap6A and ADP and ATP from Ap5A. Also able to hydrolyze 5-phosphoribose 1-diphosphate.
Tissue specificity	Mainly expressed in testis and, at lower level in brain. According to PubMed:12121577, it is widely expressed.
Sequence similarities	Belongs to the Nudix hydrolase family. DIPP subfamily. Contains 1 nudix hydrolase domain.
Cellular localization	Cytoplasm.

Images



15% SDS-PAGE analysis of 3µg ab106890.

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

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