abcam

Product datasheet

Recombinant Human NTH1 protein ab113607

1 Image

Description

Product name	Recombinant Human NTH1 protein
Purity	> 80 % SDS-PAGE. ab113607 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	P78549
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	**MGSSHHHHHHSSGLVPRGSH**MCSPQESGMTALSARML TRSRSLGPGAGPR GCREEPGPLRRREAAAEARKSHSPVKRPRKAQRLRVAY EGSDSEKGEGAE PLKVPVWEPQDWQQQLVNIRAMRNKKDAPVDHLGTEHC YDSSAPPKVRRY QVLLSLMLSSQTKDQVTAGAMQRLRARGLTVDSILQTDDA TLGKLIYPVG FWRSKVKYIKQTSAILQQHYGGDIPASVAELVALPGVGPK MAHLAMAVAW GTVSGIAVDTHVHRIANRLRWTKKATKSPEETRAALEEWL PRELWHEING LLVGFGQQTCLPVHPRCHACLNQALCPAAQGL
Predicted molecular weight	37 kDa including tags
Amino acids	1 to 312
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab113607** 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

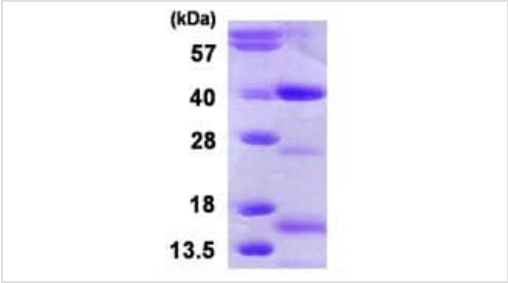
Preparation and Storage

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: 0.02% DTT, 0.32% Tris HCl, 40% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

General Info

Function	Has both an apurinic and/or apyrimidinic endonuclease activity and a DNA N-glycosylase activity. Incises damaged DNA at cytosines, thymines and guanines. Acts on a damaged strand, 5' from the damaged site. Required for the repair of both oxidative DNA damage and spontaneous mutagenic lesions.
Tissue specificity	Widely expressed with highest levels in heart and lowest levels in lung and liver.
Sequence similarities	Belongs to the Nth/MutY family.
Developmental stage	Expression levels are regulated during the cell cycle with increased levels during early and mid S-phase.
Cellular localization	Nucleus.

Images



SDS-PAGE - Recombinant Human NTH1 protein (ab113607)

15% SDS-PAGE analysis of ab113607 (3µg)

Our Abpromise to you: Quality guaranteed and expert technical support

- 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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