

Product datasheet

Recombinant Human THG1L protein ab131686

1 Image

Description

Product name	Recombinant Human THG1L protein
Purity	> 90 % SDS-PAGE. ab131686 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>Q9NWX6</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMASKSFE YVRDFEADDT CLAHCWVVVR LDGRNFHRFA EKHNFAKPND SRALQLMTC AQTVMEELED VIAYGQSDE YSFVFKRKTN WFKRRASKFM THVASQFASS YFYWRDYFE DQPLLYPPGF DGRVVVYPSN QTLKDYLSWR QADCHINNLY NTVFWALIQQ SGLTPVQAQG RLQGTAAADK NEILFSEFNI NYNNELPMYR KGTVLWQKV DEVMTKEIKL PTEMEGKKMA VTRTRTKPVP LHCDIIGDAF WKEHPEILDE DS
Predicted molecular weight	34 kDa including tags
Amino acids	30 to 298
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab131686** 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, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

General Info

Function

Adds a GMP to the 5'-end of tRNA(His) after transcription and RNase P cleavage. This step is essential for proper recognition of the tRNA and for the fidelity of protein synthesis.

Tissue specificity

Expressed in many tissues.

Sequence similarities

Belongs to the tRNA(His) guanylyltransferase family.

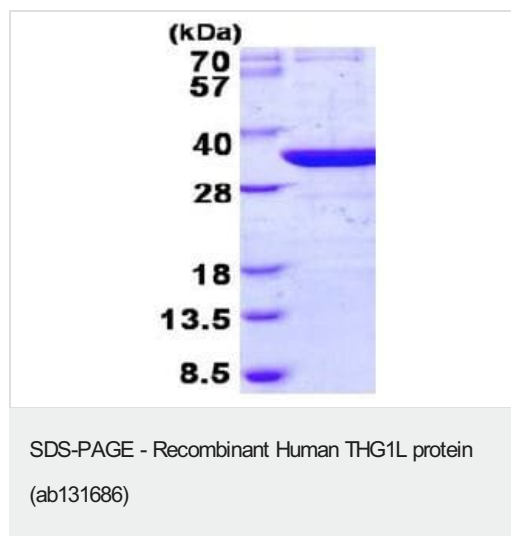
Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Cellular localization

Cytoplasm. Found near the nuclear membrane.

Images



15% SDS PAGE analysis of 3 µg of ab131686.

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

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