

Product datasheet

Recombinant Human TGT protein ab202188

1 Image

Description

Product name	Recombinant Human TGT protein
Purity	> 80 % SDS-PAGE. ab202188 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>Q9BXR0</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHSSGLVPRGSHMGSEFMAGAATQASLESA PRIMRLVAECSR SRARAGELWLPHGTVATPVFMPVGTQATMKGITTEQLDA LGCRICLGNTY HLGLRPGPELIQKANGLHGFMNWPHNLLTDSGGFQMVSL VSLSEVTEEGV RFRSPYDGNETLLSPEKSVQIQNALGSDIIMQLDDVVSSTV TGPRVEEAM YRSIRWLDRCIAAHQRPDKQNLFAIQGGLDADLRATCLEE MTKRDVPGF AIGGLSGGESKSFWRMVALSTSRLPKDKPRYLMGVGYA TDLVVCVALGC DMFDCVFPTRTARFGSALVPTGNLQLRKKVFEKDFGPID PECTCPTCQKH SRAFLHALLHSDNTAALHHLTVHNIAYQLQLMSAVRTSME KRFPDFVRD FMGAMYGDPTLCPTWATDALASVGITLG
Predicted molecular weight	47 kDa including tags
Amino acids	1 to 403
Tags	His tag N-Terminus
Additional sequence information	NP_112486.

Specifications

Our **Abpromise guarantee** covers the use of **ab202188** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Mass Spectrometry SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid
Additional notes	This product was previously labelled as QTRT1

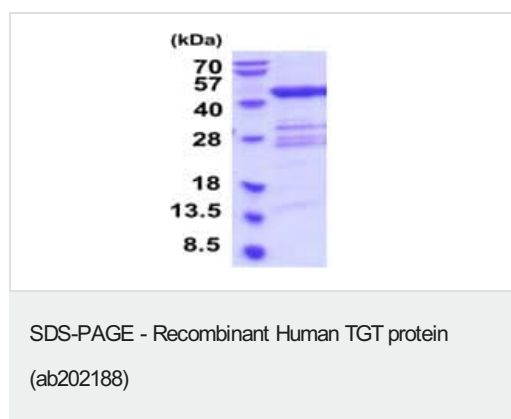
Preparation and Storage

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: 7.40 Constituents: 30% Glycerol (glycerin, glycerine), 0.02% DTT, 69% PBS
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General Info

Function	Interacts with QTRTD1 to form an active queuine tRNA-ribosyltransferase. This enzyme exchanges queuine for the guanine at the wobble position of tRNAs with GU(N) anticodons (tRNA-Asp, -Asn, -His and -Tyr), thereby forming the hypermodified nucleoside queuosine (Q) (7-(((4,5-cis-dihydroxy-2-cyclopenten-1-yl)amino)methyl)-7-deazaguanosine).
Pathway	tRNA modification; tRNA-queuosine biosynthesis.
Sequence similarities	Belongs to the queuine tRNA-ribosyltransferase family.
Cellular localization	Cytoplasm. Mitochondrion. Nucleus. Weakly associates with mitochondria, possibly via QTRTD1.

Images



15% SDS-PAGE analysis of ab202188 (3 µg).

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

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