

Datasheet for ABIN7551390
RPL13 Protein (AA 1-211) (His tag)



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Overview

Quantity:	1 mg
Target:	RPL13
Protein Characteristics:	AA 1-211
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPL13 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant RPL13 Protein expressed in mammalian cells.
Sequence:	MAPSRNGMVL KPHFHKDWQR RVATWFNQPA RKIRRRKARQ AKARRIAPRP ASGPIRPIVR CPTVRYHTKV RAGRGFSLEE LRVAGIHKKV ARTIGISVDP RRRNKSTESL QANVQRLKEY RSKLILFPRK PSAPKKGDSS AEELKLATQL TGPVMPVRNV YKKEKARVIT EEEKNFKAFA SLRMARANAR LFGIRAKRAK EAAEQDVEKK K Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.

Product Details

- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	RPL13
Alternative Name:	RPL13 (RPL13 Products)
Background:	<p>Large ribosomal subunit protein eL13 (60S ribosomal protein L13) (Breast basic conserved protein 1),FUNCTION: Component of the ribosome, a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:31630789, PubMed:23636399, PubMed:32669547). The small ribosomal subunit (SSU) binds messenger RNAs (mRNAs) and translates the encoded message by selecting cognate aminoacyl-transfer RNA (tRNA) molecules (Probable). The large subunit (LSU) contains the ribosomal catalytic site termed the peptidyl transferase center (PTC), which catalyzes the formation of peptide bonds, thereby polymerizing the amino acids delivered by tRNAs into a polypeptide chain (Probable). The nascent polypeptides leave the ribosome through a tunnel in the LSU and interact with protein factors that function in enzymatic processing, targeting, and the membrane insertion of nascent chains at the exit of the ribosomal tunnel (Probable). As part of the LSU, it is probably required for its formation and the maturation of rRNAs (PubMed:31630789). Plays a role in bone development (PubMed:31630789). {ECO:0000269 PubMed:23636399, ECO:0000269 PubMed:31630789, ECO:0000269 PubMed:32669547}.</p>
Molecular Weight:	24.3 kDa

Target Details

UniProt: [P26373](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
