

Datasheet for ABIN3075231

UTP6 Protein (AA 1-597) (Strep Tag)



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Overview

Quantity:	250 µg
Target:	UTP6
Protein Characteristics:	AA 1-597
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UTP6 protein is labelled with Strep Tag.
Application:	ELISA, Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Brand:	AlIcE®
Sequence:	<p>MAEIIQERIE DRLPELEQLE RIGLFSHAIEI KAIKKASDL EYKIQRRTLF KEDFINYVQY EINLLELIQR RRTRIGYSFK KDEIENSIVH RVQGVFQRAS AKWKDDVQLW LSYVAFCKKW ATKTRLSKV SAMLAIHSNK PALWIMAAKW EMEDRLSSES ARQLFLRALR FHPECPKLYK EYFRMELMHA EKLRLKEKEEF EKASMDVENP DYSEEILKGE LAWIIYKNSV SIIKGAEFHV SLLSIAQLFD FAKDLQKEIY DDLQALHTDD PLTDYVARR ELEIESQTEE QPTTKQAKAV EVGRKEERCC AVYEEAVKTL PTEAMWKCYI TFCLERFTKK SNSGFLRGKR LERTMTVFRK AHELKLLSEC QYKQLSVSLL CYNFLREALE VAVAGTELFR DSGTMWQLKL QVLIESKSPD IAMLFEAFV HLKPQVCLPL WISWAEWSEG AKSQEDTEAV FKKALLAVIG ADSVTLKNKY LDWAYRSGGY KKARAVFKSL QESRPFVDF FRKMIQFEKE QESCNMANIR EYERALREF GSADSDLWMD YMKEELNHPL GRPENCGQIY WRAMKMLQGE SAEAFVAKHA MHQTGHL</p>

Sequence without tag. The proposed Strep-Tag is based on experience s 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.

Characteristics:

Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- 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.

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.

Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.
- The protein's absorbance will be measured against its specific reference buffer.
- We use the ExPASy's ProtParam tool to determine the absorption coefficient of each protein.

Purification:

One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).

Purity:

> 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

Grade:

custom-made

Target Details

Target:	UTP6
Alternative Name:	UTP6 (UTP6 Products)
Background:	U3 small nucleolar RNA-associated protein 6 homolog (Hepatocellular carcinoma-associated antigen 66) (Multiple hat domains protein),FUNCTION: Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome. Involved in nucleolar processing of pre-18S ribosomal RNA. {ECO:0000269 PubMed:34516797}.
Molecular Weight:	70.2 kDa
UniProt:	Q9NYH9

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Comment:	<p>ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from <i>Nicotiana tabacum</i> c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.</p> <p>During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!</p>
Restrictions:	For Research Use only

Handling

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

Handling

Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol **Might differ depending on protein.**

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months