

Datasheet for ABIN7544857
C2orf60 Protein (AA 1-315) (His tag)



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Overview

Quantity:	1 mg
Target:	C2orf60
Protein Characteristics:	AA 1-315
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C2orf60 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat TYW5 Protein expressed in mammalien cells.
Sequence:	MAGQHLPVPR LEGVSREQFM QHLYPQRKPL VLEGIDLGPC TSKWTVDYLS QVGGKKEVKI HVAAVAQMDF ISKNFVYRTL PFDQLVQRAA EEKHKEFFVS EDEKYLRSL GEDPRKDVAD IRKQFPLLKG DIKFPEFFKE EQFFSSVFRI SSPGLQLWTH YDVMNLLIQ VTGKKRVVLF SPRDAQYLYL KGTKSEVLNI DNPDLAKYPL FSKARRYECS LEAGDVLFIPL ALWFHNVISE EFGVGVNIFW KHLPSECYDK TDTYGNKDPT AASRAAQILD RALKTLAELP EEYRDFYARR MVLHIQDKAY SKNSE 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.

Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.
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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, Western Blot

Grade: custom-made

Target Details

Target: C2orf60

Alternative Name: TYW5 ([C2orf60 Products](#))

Background: TRNA wybutosine-synthesizing protein 5 (hTYW5) (tRNA yW-synthesizing protein 5) (EC 1.14.11.42) (tRNA(Phe) (7-(3-amino-3-carboxypropyl)wyosine(37)-C(2))-hydroxylase),FUNCTION: tRNA hydroxylase that acts as a component of the wybutosine biosynthesis pathway. Wybutosine is a hyper modified guanosine with a tricyclic base found at the 3'-position adjacent to the anticodon of eukaryotic phenylalanine tRNA. Catalyzes the hydroxylation of 7-(a-amino-a-carboxypropyl)wyosine (yW-72) into undermodified hydroxywybutosine (OHyW*). OHyW* being further transformed into hydroxywybutosine (OHyW) by LCMT2/TYW4. OHyW is a derivative of wybutosine found in higher eukaryotes. {ECO:0000269|PubMed:20739293, ECO:0000269|PubMed:20972222}.

Molecular Weight: 36.5 kDa

UniProt: [A2RUC4](#)

Pathways: [Ribonucleoside Biosynthetic Process](#)

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.

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
