

Datasheet for ABIN7546583

**C10ORF90 Protein (AA 1-699) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	C10ORF90
Protein Characteristics:	AA 1-699
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C10ORF90 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant C10orf90 Protein expressed in mammalian cells.
Sequence:	MLKLSGEGLR DSYHSRRDQI ALKNLQSDVT EAKSDFTKET LASQNTKMIS SIVISQMIDE NKSRENASL PLPCAIAQSR AHHAQQLAN RSGVNIHRAF ALLPGRLGIP APSDERGPEA ELPPKEERPC GGPRRGFASI TITARRVGPP ARALVWG TAG DSLCPKCRAE DTLFQAPPAL ANGAHPGRHQ RSFACTEFR NSSVRLKVP EAHTGLCERR KYWVTHADDK ETSFSPDTPL SGKSPLVFSS CVHLRVSQQC PDSIYYVDKS LSVPIEPPQI ASPKMHRSVL SLNLCSSHR LTADGVDGLV NREPISEALK QELLEGDQDL VGQRWNPGLQ ESHLKETPSL RRVHLGTGAC PWGSFPLEN TELANVGANQ VTVRKGEKDH TTHCHASDHA NQLSIHIPGW SYRAVHTKVF SGSSKRQQGE VCMTVSAPPV EQKPTRHFLP IGDSSPSDDC LSRDLSEPTE RRRHQSFLKPR ILFPGFLCPL QDVCASLQED NGVQIESKFP KGDYTCCDLV VKIKECKKSE DPTTPEPSA APSPAPRDGA GSPGLSEDCS ESQQTPARSL TLQEALEVRK PQFISRSQER LKKLEHMVQQ RKAQRKEDLR QKQSLPIRT SKKQFTIPHP LSDNLFKPKE RCISEKEMHM RSKRIYDNLPL EVKKKKEEQR KRVILQSNRL RAEVFKKQLL DQLLQRNAV <b>Sequence without tag. The proposed</b>

**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:

- Made to order protein - from design to production - by highly experienced protein experts.
- 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

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**Target:** C10ORF90

**Alternative Name:** C10orf90 ([C10ORF90 Products](#))

**Background:** (E2-independent) E3 ubiquitin-conjugating enzyme FATS (EC 2.3.2.-) (Centrosomal protein C10orf90) (E2/E3 hybrid ubiquitin-protein ligase FATS) (Fragile-site associated tumor suppressor homolog) (FATS),FUNCTION: Tumor suppressor that is required to sustain G2/M checkpoint after DNA damage. Acts as a p53/TP53 activator by inhibiting MDM2 binding to p53/TP53 and stimulating non-proteolytic polyubiquitination of p53/TP53. Exhibits ubiquitin ligase (E3) activity and assemble ubiquitin polymers through 'Lys-11'- (K11-), 'Lys-29'- (K29-) and 'Lys-63'- (K63)-linkages, independently of the ubiquitin-conjugating enzyme (E2). Promotes p53/TP53-dependent transcription of CDKN1A/p21, leading to robust checkpoint response.

## Target Details

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Mediates CDKN1A/p21 protein stability in a ubiquitin-independent manner. Interacts with HDAC1 and prevents binding of HDAC1 to CDKN1A/p21 and facilitates the acetylation and stabilization of CDKN1A/p21 (By similarity). May have a role in the assembly of primary cilia (Probable). {ECO:0000250|UniProtKB:D2J0Y4, ECO:0000305|PubMed:20844083}.

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Molecular Weight: 77.9 kDa

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UniProt: [Q96M02](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months