

Datasheet for ABIN7554900
C10RF170 Protein (AA 1-790) (His tag)



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Overview

Quantity:	1 mg
Target:	C10RF170
Protein Characteristics:	AA 1-790
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C10RF170 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PERM1 Protein expressed in mammalian cells.
Sequence:	MENFQYSVQL SDQDWAEFSA TADECGLLQA GLASGDELLS SDIDQGDSSG SSPPRAPPLP TGQLAAGGRS RRGCEEDVA TQQPVRSRSG EPVLALGTGQ QTPSTSARAE APPSLGPGAS PPSQFSSCPG PASSGDQMQR LLQGPAPRPP GEPPGSPKSP GHSTGSQRPP DSPGAPPRSP SRKKRRAVGA KGGGHTGASA SAQTGSPLLP AASPETAKLM AKAGQEELGP GPAGAPEPGP RSPVQEDRPG PGLGLSTPVP VTEQGTQIR TPRRAKLHTV STTVWEALPD VSRAKSDMAV STPASEPQPD RDMAVSTPAS EPQSDRDMAV STPASEPQPD TDMAVSTPAS EPQPDRDMAV SIPASKPQSD TAVSTPASEP QSSVALSTPI SKPQLDTDVA VSTPASKHGL DVALPTAGPV AKLEVASSPP VSEAVPRMTE SSGLVSTPVP RADAAGLAWP PTRRAGPDVV EMEAVVSEPS AGAPGCCSGA PALGLTQVPR KKKVRFVSVAG PSPNKP GSGQ ASARPSAPQT ATGAHGGPGA WEAVAVGPRP HQPRILKHLR RPPPSAVTRV GPGSSFAVTL PEAYEFFFC D TIEENEEAEA AAAGQDPAGV QWPDMCEFFF PDVGAQRSRR RGSPEPLPRA DPVPAPIPGD PVPISIPEVY EHFFFGEDRL EGVLGPAVPL PLQALEPPRS ASEGAGPGTP LKPAVERLH LALRRAGELR

Product Details

GPVPSFAFSQ NDMCLVFVAF ATWAVRTSDP HTPDAWKAL LANVGTISAI RYFRRQVGQG
RRSHSPSPSS **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:

- 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

Target: C10RF170

Alternative Name: PERM1 ([C10RF170 Products](#))

Background: PGC-1 and ERR-induced regulator in muscle protein 1 (PPARGC1 and ESRR-induced regulator in muscle 1) (Peroxisome proliferator-activated receptor gamma coactivator 1 and estrogen-related receptor-induced regulator in muscle 1),FUNCTION: Regulates the expression of selective PPARGC1A/B and ESRRRA/B/G target genes with roles in glucose and lipid metabolism, energy transfer, contractile function, muscle mitochondrial biogenesis and oxidative capacity. Required for the efficient induction of MT-CO2, MT-CO3, COX4I1, TFB1M, TFB2M, POLRMT and SIRT3 by PPARGC1A. Positively regulates the PPARGC1A/ESRRG-

Target Details

induced expression of CKMT2, TNNI3 and SLC2A4 and negatively regulates the PPARGC1A/ESRRG-induced expression of PDK4. {ECO:0000250|UniProtKB:Q149B8}.

Molecular Weight: 81.4 kDa

UniProt: [Q5SV97](#)

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