

Datasheet for ABIN7558412  
**C6orf81 Protein (AA 1-340) (His tag)**



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## Overview

Quantity:	1 mg
Target:	C6orf81
Protein Characteristics:	AA 1-340
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C6orf81 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Armc12 Protein expressed in mammalian cells.
Sequence:	MGKTIPRFLE QLDLIKSFVG LATGAGALYL LYKAVRTGLK CHPPLCSNSP ICIARLAIER ERHGRDSGEI RLLNSLDCK QDEYTRSMIL HNITRCVYLL EAEASSCTMD DIDLVADMLD EKDNSVKIQA LNALKAFSGI RKFRLKIQEH CIKVLELIST IWDLELHVAG LRLNNLPLP DYVHPQLRRV MPALMEIIQS DCILAQVQAV RLLSYLAQKN DLLYDILNCQ VRPNFLNLFQ SSQPGSLLFE VLVFAEHLSE GRNATHYRAV KWHYNEQSLH EALFGDESRL ADRLLSLVIH PEEEVQIQAC KVIVSLQCPQ DLGSRPSSCR PSHSCFKTGK <b>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.</b>
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:

## Product Details

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- 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.

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

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## Target Details

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Target:	C6orf81
Alternative Name:	Armc12 ( <a href="#">C6orf81 Products</a> )
Background:	Armadillo repeat-containing protein 12,FUNCTION: Essential for male fertility and sperm mitochondrial sheath formation (PubMed:33536340). Required for proper mitochondrial elongation and coiling along the flagellum during the formation of the mitochondrial sheath (PubMed:33536340). Facilitates the growth and aggressiveness of neuroblastoma cells (By similarity). Increases the EZH2 activity and H3K27me3 levels in a RBBP4-dependent manner, and facilitates the enrichment of polycomb repressive complex 2 and H3K27me3 on gene promoters, resulting in transcriptional repression of tumor suppressors affecting the proliferation, invasion, and metastasis of tumor cells (By similarity). {ECO:0000250 UniProtKB:Q5T9G4, ECO:0000269 PubMed:33536340}.
Molecular Weight:	38.5 kDa
UniProt:	<a href="#">Q80X86</a>

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## 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

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## 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

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