

Datasheet for ABIN7548392  
**C4orf49 Protein (AA 1-240) (His tag)**



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## Overview

Quantity:	1 mg
Target:	C4orf49
Protein Characteristics:	AA 1-240
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C4orf49 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant MGARP Protein expressed in mammalian cells.
Sequence:	MYLRRAVSKT LALPLRAPPN PAPLGKDASL RRMSSNRFPG SSGSNMIYYL VVGVTVSAGG YYAYKTVTSD QAKHTEHKTN LKEKTKAEIH PFQGEKENVA ETEKASSEAP EELIVEAEVW DAEESPSATV VVIKEASACP GHVEAAPETT AVSAETGPEV TDAAARETTE VNPETTPEVT NAALDEAVTI DNDKDTTKNE TSDEYAELEE ENSPAESESS AGDDLQEEAS VGSEAASAQG <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: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>

## Product Details

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- 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:	C4orf49
Alternative Name:	MGARP ( <a href="#">C4orf49 Products</a> )
Background:	Protein MGARP (Corneal endothelium-specific protein 1) (CESP-1) (Hypoxia up-regulated mitochondrial movement regulator protein) (Mitochondria-localized glutamic acid-rich protein) (Ovary-specific acidic protein),FUNCTION: Plays a role in the trafficking of mitochondria along microtubules. Regulates the kinesin-mediated axonal transport of mitochondria to nerve terminals along microtubules during hypoxia. Participates in the translocation of TRAK2/GRIF1 from the cytoplasm to the mitochondrion. Also plays a role in steroidogenesis through maintenance of mitochondrial abundance and morphology (By similarity). Plays an inhibitory role during neocortex development by regulating mitochondrial morphology, distribution and motility in neocortical neurons (By similarity). {ECO:0000250 UniProtKB:Q8VI64}.
Molecular Weight:	25.4 kDa
UniProt:	<a href="#">Q8TDB4</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
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## Application Details

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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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