

Datasheet for ABIN7549411
C19orf28 Protein (AA 1-480) (His tag)



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Overview

Quantity:	1 mg
Target:	C19orf28
Protein Characteristics:	AA 1-480
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C19orf28 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MFSD12 Protein expressed in mammalian cells.
Sequence:	<p>MGPGPPAAGA APSRPLSLV ARLSYAVGHF LNDLCASMWF TYLLLYLHSV RAYSSRGAGL LLLLGQVADG LCTPLVGYEA DRAASCCARY GPRKAWHLVG TVCVLLSFPF IFSPCLGCGA ATPEWAALLY YGPFIVIFQF GWASTQISHL SLIPELVTND HEKVELTALR YAFTVVANIT VYGAAWLLLH LQGSSRVEPT QDISISDQLG QGDVPVFRNL SLLVVGVGAV FSLLFHLGTR ERRRPHAEEP GEHTPLLAPA TAQPLLLWKH WLREPAFYQV GILYMTTRLI VNLSQTYMAM YLTYSLHLPK KFIATIPLVM YLSGFLSSFL MKPINKCIGR NMTYFSGLLV ILAFAAWVAL AEGLGVAVYA AAVLLGAGCA TILVTSLAMT ADLIGPHTNS GAFVYGSMF LDKVANGLAV MAIQLHPCP SELCCRACVS FYHWAMVAVT GGVGVAAALC LCSLLLWPTR LRRWDRDARP</p> <p>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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

C19orf28

Alternative Name:

MFSD12 ([C19orf28 Products](#))

Background:

Major facilitator superfamily domain-containing protein 12,FUNCTION: Transporter that mediates the import of cysteine into melanosomes, thereby regulating skin pigmentation (PubMed:33208952, PubMed:37751742). In melanosomes, cysteine import is required both for normal levels of cystine, the oxidized dimer of cysteine, and provide cysteine for the production of the cysteinyl dopas used in pheomelanin synthesis, thereby regulating skin pigmentation (PubMed:33208952). Also catalyzes import of cysteine into lysosomes in non-pigmented cells, regulating lysosomal cystine and cysteine storage, which is essential for redox homeostasis (PubMed:33208952, PubMed:37751742). {ECO:0000269|PubMed:33208952, ECO:0000269|PubMed:37751742}.

Molecular Weight:

52.1 kDa

UniProt:

[Q6NUT3](#)

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
