

[Go to Product page](#)

Datasheet for ABIN7557148

**C19orf28 Protein (AA 1-476) (His tag)**

## Overview

Quantity:	1 mg
Target:	C19orf28
Protein Characteristics:	AA 1-476
Origin:	Mouse
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>MSPPSDDAGP GPPRTLALAA RLSFAVGHFL NDLCAGMWFT YLLFLHSVR GYSSRGAGLL LLLGQVADGL CTPLVGYEAD RASCVRGPR KAWHLAGTVC VLLSFPFIFS PCLGCGEATP EWAALLYGPF FIVVFQFGWA ATQIAHLSLI PELVTSDEK VELTALRYAF TVVANITVYG AAWLLLHLQG SAHGEQDISV GDQLGVQDVP VFRNLALLVV GVGAIFFSLF HLGTKEGHRS QHWGNPNEH TPLVAPAAQP LLLWKHWLRE PAFYQVGMPLY MTTTLIVNLS QTYIAMYLTY SLSLPKFKIA TIPLVMYLSG FFSSFLMKPV NRRIGRNMTY FTGLLVILAF AAWVALADNL GVAVYGA AVL LGAGCATILV TSLAMTADLI GPHTHSGAFV YGAMSFSDKV ANGLAVMAVQ SLHPCPSELC CGACISFYHW VMTAVTGGVG VAAALALCSL LIWPIRIRNR DPRDRP <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></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 (Protein grizzled),FUNCTION: Transporter that mediates the import of cysteine into melanosomes, thereby regulating skin/hair pigmentation (PubMed:33208952). 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/hair 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 (By similarity). {ECO:0000250|UniProtKB:Q6NUT3, ECO:0000269|PubMed:33208952}.

### Molecular Weight:

51.5 kDa

### UniProt:

[Q3U481](#)

## 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

---