

Datasheet for ABIN7558824  
**GJC2 Protein (AA 1-440) (His tag)**



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## Overview

Quantity:	1 mg
Target:	GJC2
Protein Characteristics:	AA 1-440
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GJC2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Gjc2 Protein expressed in mammalian cells.
Sequence:	MTNMSWSFLT RLLEEIHNS TFGKVLTV LVVFRIVLTA VGGESIYSDE QSKFTCNTRQ PGCDNVCYDA FAPLSHVRFW VFQIVISTP SVMYLGAVH RLARASEQER RRALRRRPGT RRLPRAQLPP PPPGWPDTTD LGEAEPILAL EEDEDEEPGA PEGPGEDTEE ERAEDVAAKG GGGDGKTVVT PGPAGQHDGR RRIQREGLMR VYVAQLVVRA AFEVAFLVGQ YLLYGFEVPP FFACSRQPCP HWVDCFVSRP TEKTVFLLVM YVVSCLCLLL NLCEMAHLGL GSAQDAVRGR RGASAAGPGP TPRPPCAFP AAAAGLACPP DYSLVVRAE RARAHDQNLA NLALQALRDG AAVAVSADR DSPPCAGLNA TSRGAPRVGG LASGTGSATS GGTVGEQSRP GAQEQLATKP RAGSEKGSTG SRDGKATVWI <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.

## Product Details

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### 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.

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### Purity:

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

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### Grade:

custom-made

## Target Details

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### Target:

GJC2

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### Alternative Name:

Gjc2 ([GJC2 Products](#))

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### Background:

Gap junction gamma-2 protein (Connexin-47) (Cx47) (Gap junction alpha-12 protein),FUNCTION: One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell. May play a role in myelination in central and peripheral nervous systems. {ECO:0000269|PubMed:11160382, ECO:0000269|PubMed:12843301}.

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### Molecular Weight:

47.0 kDa

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### UniProt:

[Q8BQU6](#)

## 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

## Handling

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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