

Datasheet for ABIN7559221

Gasdermin C3 Protein (GSDMC3) (AA 1-480) (His tag)



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Overview

Quantity:	1 mg
Target:	Gasdermin C3 (GSDMC3)
Protein Characteristics:	AA 1-480
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Gasdermin C3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Gsdmc3 Protein expressed in mammalian cells.
Sequence:	<p>MGYSFDRASK DVVKKLQGRD LRPVECLSDA TKFRLFHILQ ETPRSGWETE DIPVGFTLLD LLEPNFPVPE PEVSAPKPFH HVQSTDLEAN LNVADIARGG VGYVGYGGYN IEVQSTSIPN PKLEILQNRK LLDKLPTFMK FCRMERKNLY VVTEAYEVSK DTMLTGLSSV NLLVKGFQKQ LFKVRGKAGR SEKYSIPIPK GSVLAYKKQQ LVIENTCVI LPSATKKKMT FPGTPKYASA SEPTIYRTE LQGLWINDIE PIGRIQEPAH LDFKCLQYEV SEQTRLLPEL SKDVQEVVLS SFLSMLYEGD RNVLHDLMMK LELSQLGHMD GPGGKILDEL RKDSSNPCVD LKDLILYLLQ ALMVLSDSLQ NLLARSVEMR LLPHQVELVT SILQPNFKYP WNIPFTVQPP LLAPLQGEGL AITYELLEEC GLKMELNNPR STWDLEAKMP LSALYGSLSF LQQLQKANSS FKPSLRPGYI</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>

Product Details

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, Western Blot

Grade:

custom-made

Target Details

Target:

Gasdermin C3 (GSDMC3)

Alternative Name:

Gsdmc3 ([GSDMC3 Products](#))

Background:

Gasdermin-C3 [Cleaved into: Gasdermin-C3, N-terminal (GSDMC3-NT), Gasdermin-C3, C-terminal (GSDMC3-CT)],FUNCTION: [Gasdermin-C3]: This form constitutes the precursor of the pore-forming protein: upon cleavage, the released N-terminal moiety (Gasdermin-C3, N-terminal) binds to membranes and forms pores, triggering pyroptosis. {ECO:0000250|UniProtKB:Q9BYG8}. FUNCTION: [Gasdermin-C3, N-terminal]: Pore-forming protein that causes membrane permeabilization and pyroptosis. Produced by the cleavage of gasdermin-D by caspase CASP8 in response to death signals (By similarity). After cleavage, moves to the plasma membrane where it strongly binds to membrane inner leaflet lipids. Homooligomerizes within the membrane and forms pores of 10-15 nanometers (nm) of inner diameter, triggering pyroptosis (By similarity). {ECO:0000250|UniProtKB:Q9BYG8}.

Molecular Weight:

54.2 kDa

UniProt:

[Q8CB12](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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

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