

Datasheet for ABIN7557002

Gasdermin C2 Protein (GSDMC2) (AA 1-480) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Gasdermin C2 (GSDMC2)
Protein Characteristics:	AA 1-480
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Gasdermin C2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Gsdmc2 Protein expressed in mammalian cells.
Sequence:	<p>MGYSFDRASK DVVKKLQGRD LRPVECLSDA TKFRLFHILQ ETPRSGWETE DIPVGFTLLD LLEPNFPVPE PEVSAPKPI HVQSTDLEAN LNVADIARGG VGYVGYGGYN IEVQSTSIPN PKLEILQNRK LLDNLPTFMK FCRMERKNLY VVTEAYEVSK DTMLTGLSSV NLSVKGFFKQ LFKVRGKAGR SEKYSIPIPK GSVLAYKKQQ LVIENTCVI LPSATKKKMT FPGTPKYASA SEPTIYRTE LQGLWINDIV PIGRIQEPAH LDFMCLQNEV YKQTEQLAEL SKGVQEVVLS SILSMLYEGD RKVLYDLMNM LELNQLGHMD GPGGKILDEL RKDSSNPCVD LKDLILYLLQ ALMVLSDSL NLLAQSVEMG ILPHQVELVK SILQPNFKYP WNIPFTLQPQ LLAPLQGEGL AITYELLEEC GLKMELNNPR STWDLEAKMP LSALYGSLSF LQQLRKANSS SKPSLRPGYI</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:	<div>Key Benefits:</div> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	Gasdermin C2 (GSDMC2)
Alternative Name:	Gsdmc2
Background:	<p>Gasdermin-C2 [Cleaved into: Gasdermin-C2, N-terminal (GSDMC2-NT), Gasdermin-C2, C-terminal (GSDMC2-CT)],FUNCTION: [Gasdermin-C2]: This form constitutes the precursor of the pore-forming protein: upon cleavage, the released N-terminal moiety (Gasdermin-C2, N-terminal) binds to membranes and forms pores, triggering pyroptosis.</p> <p>{ECO:0000269 PubMed:34290141}., FUNCTION: [Gasdermin-C2, N-terminal]: Pore-forming protein that causes membrane permeabilization and pyroptosis in response to type-2 immunity (PubMed:34290141). Produced by the cleavage of gasdermin-D in response to type-2 immunity following worm infection (PubMed:34290141). After cleavage, moves to the plasma membrane where it strongly binds to membrane inner leaflet lipids (By similarity). Homooligomerizes within the membrane and forms pores of 10-15 nanometers (nm) of inner diameter, triggering pyroptosis and lytic cell death in enterocytes (PubMed:34290141).</p> <p>{ECO:0000250 UniProtKB:Q9BYG8, ECO:0000269 PubMed:34290141}.</p>
Molecular Weight:	54.0 kDa

Target Details

UniProt: [Q2KHK6](#)

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.

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