

Datasheet for ABIN7557024

Gasdermin A2 Protein (GSDMA2) (AA 1-443) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Gasdermin A2 (GSDMA2)
Protein Characteristics:	AA 1-443
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Gasdermin A2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Gsdma2 Protein expressed in mammalien cells.
Sequence:	MSMFEDVTRA LARQLNPRGD LTPLDSLIDF KRFHPFCLVL RKRKSTLFWG ARYVRTDYTL LDVLEPGSSP SDPTLLGNFS FKNMLDVRVE GDVEVPTMMK VKGTVGLSQS STLEVQMLSV APTALLENLHM ERKLSADHPF LKEMREYKQN LYVVMDEVKA KQEVTLKRAS NAISKFSLNL PSLGLQGGSVN HKEAVTIPKG CVLAYRVRQL IYVGKDEWGI PYICTDNMPT FNPLCVLQRQ GSTVQMISGE MHEDFKTLKK EVQQETQVE KLSPVGRSSL LTSLSHLLGK KKEQLDLEQM LEGALDKGHE VTLEALPKDV LLLKDAMDAI LYFLGALTEL SEEQLKILVK SLENKVLVPVQ LKLVESILEQ NFLQDKEDVF PLRPDLLSSL GEEDQILTEA LVGLSGLEVQ RSGPQYTWNP DTCHNLALY AGLSLLHLLS RDS 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.
Characteristics:	Key Benefits:

Product Details

- 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 A2 (GSDMA2)

Alternative Name: Gsdma2

Background: Gasdermin-A2 (Gasdermin-2) [Cleaved into: Gasdermin-A2, N-terminal (GSDMA2-NT), Gasdermin-A2, C-terminal (GSDMA2-CT)],FUNCTION: [Gasdermin-A2]: This form constitutes the precursor of the pore-forming protein and acts as a sensor of infection: upon bacterial infection, specifically cleaved by some bacterial effector protein, releasing the N-terminal moiety (Gasdermin-A2, N-terminal) that binds to membranes and forms pores, triggering pyroptosis. {ECO:0000250|UniProtKB:Q9EST1},. FUNCTION: [Gasdermin-A2, N-terminal]: Pore-forming protein that causes membrane permeabilization and pyroptosis. Released upon cleavage of Gasdermin-A2, and binds to membrane inner leaflet lipids. Homooligomerizes within the membrane and forms pores of 10-15 nanometers (nm) of inner diameter, triggering pyroptosis. Binds to membrane inner leaflet lipids, such as phosphatidylinositol (4,5)-bisphosphate. {ECO:0000250|UniProtKB:Q96QA5}.

Molecular Weight: 49.8 kDa

UniProt: [Q32M21](#)

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
