

Datasheet for ABIN7547867
GBP6 Protein (AA 1-633) (His tag)



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Overview

Quantity:	1 mg
Target:	GBP6
Protein Characteristics:	AA 1-633
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GBP6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat GBP6 Protein expressed in mammalian cells.
Sequence:	<p>MESGPKMLAP VCLVENNNEQ LLVNQQAIQI LEKISQPVVV VAIVGLYRTG KSYLMNHLAG</p> <p>QNHGFPLGST VQSETKGIWM WCVPHPSKPN HTLVLLDTEG LGDVEKGDPK NDSWIFALAV</p> <p>LLCSTFVYNS MSTINHQALE QLHYVTELTE LIKAKSSPRP DGVEDSTEFV SFFPDFLWTV</p> <p>RDFTLELKLN GHPITEDEYL ENALKLIQGN NPRVQTSNFP RECIRRRFFPK RKCFVFDRPT</p> <p>NDKDLLANIE KVSEKQLDPK FQEQTNIFCS YIFTHARTKT LREGITVTGN RLGTLAVTYV</p> <p>EAINSGAVPC LENAIVTLAQ RENSAAVQRA ADYYSQQMAQ RVKLPTDTLQ ELLDMHAACE</p> <p>REAIAIFMEH SFKDENQEFQ KKFMETTMNK KGDFLLQNEE SSVQYCQAKL NELSKGLMES</p> <p>ISAGSFSVPG GHKLYMETKE RIEQDYWQVP RKGVKAKEVF QRFLESQMVI EESILQSDKA</p> <p>LTDREKAVAV DRAKKEAAEK EQELLKQKLQ EQQQQMEAQD KSRKENIAQL KEKLQMEREH</p> <p>LLREQIMMLE HTQKVQNDWL HEGFKKKYEE MNAEISQFKR MIDTTKNDDT PWIARTLDNL</p> <p>ADELTAILSA PAKLIGHGVK GVSSLFKKHK LPF Sequence without tag. The proposed</p>

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:

- 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:

GBP6

Alternative Name:

GBP6 ([GBP6 Products](#))

Background:

Guanylate-binding protein 6 (EC 3.6.5.-) (GTP-binding protein 6) (GBP-6) (Guanine nucleotide-binding protein 6),FUNCTION: Interferon (IFN)-inducible GTPase that plays important roles in innate immunity against a diverse range of bacterial, viral and protozoan pathogens, such as bacterial pathogens *Listeria monocytogenes* and *Mycobacterium bovis* BCG as well as the protozoan pathogen *Toxoplasma gondii* (By similarity). Confers protection to several pathogens, including the bacterial pathogens *Listeria monocytogenes* and *Mycobacterium bovis* BCG as well as the protozoan pathogen *Toxoplasma gondii* (By similarity). {ECO:0000250|UniProtKB:A0A0G2JDV3}.

Molecular Weight:

72.4 kDa

Target Details

UniProt:	Q6ZN66
Pathways:	Cellular Response to Molecule of Bacterial Origin

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