

Datasheet for ABIN7558960

## GIMAP5 Protein (AA 1-308) (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	GIMAP5
Protein Characteristics:	AA 1-308
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GIMAP5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat Gimap5 Protein expressed in mammalien cells.
Sequence:	<p>MEHLQKSTYG TIVQGPEAHC VQESSCLRIL LVGKSGCGKS ATGNSILRRP AFQSRLRGQS</p> <p>VTRTSQAETG TWEGRSILVV DTPPIFESKA QNQDMDKDIG DCYLLCAPGP HVLLLVTQLG</p> <p>RFTAEDAMAV RMVKEVFGVG VMRHMIVLFT RKEDLEEKSL EEFVTHTDNR SLRSLTQECG</p> <p>RRYCAFNNRA SGEEQQGQLA ELMALVRRLE QECEGSFHSN DLFLHAEALL REGYSVHQEA</p> <p>YRCYLAKVRQ EVEKQRRELE EQEGSWIAKM ICTVKSCWSS HTAACALLIV LGLTLLTTFI</p> <p>NLCISRCK <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></p>

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> <li>Made to order protein - from design to production - by highly experienced protein experts.</li> </ul>
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## Product Details

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- 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

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Target:	GIMAP5
Alternative Name:	Gimap5 ( <a href="#">GIMAP5 Products</a> )
Background:	<p>GTPase IMAP family member 5 (GTPase of the immunity-associated protein 5) (Immunity-associated nucleotide 4-like 1 protein) (Immunity-associated protein 3),FUNCTION: Plays a role in T lymphocyte development and the optimal generation of CD4/CD8 double-positive thymocytes (PubMed:16509771). Inhibitor of GSK3A. May act by sequestering GSK3A in cytoplasmic vesicles and impairing its translocation to the nucleus. Consequently, impairs GSK3A-dependent transcriptional program and regulation of the DNA damage response occurring during T cells proliferation (PubMed:29382851). Required for the survival of bone marrow hematopoietic stem cells, as well as of peripheral T cells, natural killer (NK) and NK T-cell development and the maintenance of normal liver function (PubMed:18796632, PubMed:21502331). May promote the survival of mature T lymphocytes upon cytokine withdrawal (PubMed:16509771). May regulate Ca(2+) homeostasis by modulating lysosomal Ca(2+) stores, preventing its accumulation in the absence of T cell activation (By similarity). May play a role in mitochondrial DNA segregation in hematopoietic tissues (PubMed:25808953). Is a regulator of liver endothelial cell homeostasis (PubMed:33956074). {ECO:0000250 UniProtKB:Q8K3L6, ECO:0000269 PubMed:16509771,</p>

### Target Details

	ECO:0000269 PubMed:18796632, ECO:0000269 PubMed:21502331, ECO:0000269 PubMed:25808953, ECO:0000269 PubMed:29382851, ECO:0000269 PubMed:33956074}.
Molecular Weight:	34.7 kDa
UniProt:	<a href="#">Q8BWF2</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a>

### 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