Datasheet for ABIN5853229

GIMAP5 Protein (AA 1-284) (His tag)

1 Image

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Overview

Quantity:	50 µg
Target:	GIMAP5
Protein Characteristics:	AA 1-284
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GIMAP5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMGGFQRG KYGTMAEGRS EDNLSATPPA LRIILVGKTG CGKSATGNSI LGQPVFESKL RAQSVTRTCQ VKTGTWNGRK VLVVDTPSIF ESQADTQELY KNIGDCYLLS APGPHVLLLV IQLGRFTAQD TVAIRKVKEV FGTGAMRHVV ILFTHKEDLG GQALDDYVAN TDNCSLKDLV RECERRYCAF NNWGSVEEQR QQQAELLAVI ERLGREREGS FHSNDLFLDA QLLQRTGAGA CQEDYRQYQA KVEWQVEKHK QELRENESNW AYKALLRVKH LMLLHYE
Purity:	> 85 % by SDS - PAGE

Target Details

Target:	GIMAP5
Alternative Name:	GIMAP5 (GIMAP5 Products)

Target Details

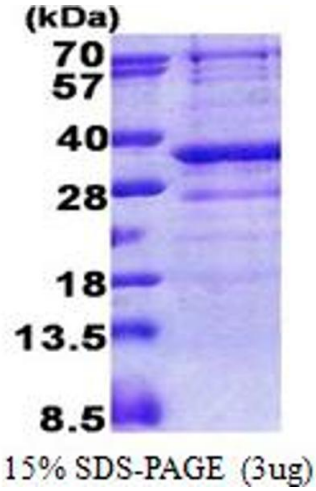
Background:	GIMAP5 is a protein belonging to the GTP-binding superfamily and to the immuno-associated nucleotide (IAN) subfamily of nucleotide-binding proteins. In humans, the IAN subfamily genes are located in a cluster at 7q36.1. GIMAP5 is an antiapoptotic protein that functions in T-cell survival. Polymorphisms in this gene are associated with systemic lupus erythematosus. Read-through transcription exists between this gene and the neighboring upstream GIMAP1 (GTPase, IMAP family member 1) gene. Recombinant human GIMAP5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Molecular Weight:	34.4 kDa (307aa) confirmed by MALDI-TOF
NCBI Accession:	NP_060854
UniProt:	Q96F15
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40 % glycerol, 2 mM DTT
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.