Recombinant human GIMAP5 protein

Catalog Number: ATGP2319

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-284aa

UniProt No.
Q96F15

NCBI Accession No.
NP_060854

Alternative Names
GTPase IMAP family member 5, GTPase IMAP family member 5, HIMAP3, IAN-5, IAN4, IAN4L1, IAN5, IMAP3, IROD

PRODUCT SPECIFICATION

Molecular Weight
34.4 kDa (307aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2mM DTT

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
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.

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Amino acid Sequence

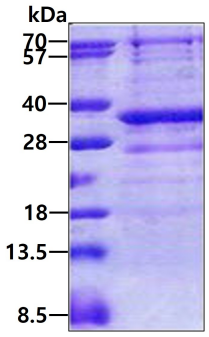
<MGSSHHHHHH SSGLVPRGSH MGS>MGGFQRG KYGTMAEGRS EDNLSATPPA LRIILVGKTG CGKSATGNSI LGQPVFESKL RAQSVTRTCQ VKTGTWNGRK VLVVDTPSIF ESQADTQELY KNIGDCYLLS APGPHVLLLV IQLGRFTAQD TVAIRKVKEV FGTGAMRHVV ILFTHKEDLG GQALDDYVAN TDNCSLKDLV RECERRYCAF NNWGSVEEQR QQQAELLAVI ERLGREREGS FHSNDLFLDA QLLQRTGAGA CQEDYRQYQA KVEWQVEKHK QELRENESNW AYKALLRVKH LMLLHYE

General References

Wong V.W., et al. (2010) Self/Nonself. 1:259-268
Ota T., et al. (2004) Nat. Genet. 36:40-45

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.