

Recombinant Human GIMAP5, His-tagged

Cat. No. GIMAP5-2319H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GIMAP5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	307aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2mM DTT
Molecular Mass	34.4 kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGGFQRG KYGTMAEGRS EDNLSATPPA LRIILVGKTG CGKSATGNSI LGQPVFESKL RAQSVTRTCQ VKTGTWNGRK VLVVDTPSIF ESQADTQELY KNIGDCYLLS APGPHVLLLV IQLGRFTAQD TVAIRKVKEV FGTGAMRHVV ILFTHKEDLG GQALDDYVAN TDNCSLKDLV

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RECERRYCAF NNWGSVEEQR QQQAELLAVI ERLGREREGRS FHSNDLFLDA
 QLLQRTGAGA CQEDYRQYQA KVEWQVEKHK QELRENESENW AYKALLRVKH
 LMLLHYE

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml

GENE INFORMATION

Gene Name [GIMAP5 GTPase, IMAP family member 5 \[Homo sapiens \]](#)

Official Symbol GIMAP5

Synonyms GIMAP5; GTPase, IMAP family member 5; IAN4L1, immune associated nucleotide 4 like 1 (mouse); GTPase IMAP family member 5; HIMAP3; immunity associated protein 3; immune associated nucleotide 4 like 1; immunity-associated nucleotide 5 protein; inhibitor of radiation- and OA-induced apoptosis, Irod/Ian5; IAN4; IAN5; IROD; IAN-5; IMAP3; IAN4L1; FLJ11296;

Gene ID [55340](#)

mRNA Refseq [NM_018384](#)

Protein Refseq [NP_060854](#)

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MIM	608086
UniProt ID	Q96F15
Chromosome Location	7q36.1
Function	GTP binding; nucleotide binding;

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