9051 Mira Mesa Blvd, #910094
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GIMAP5 Human

GTPase, IMAP Family Member 5 Human Recombinant
RCP0911

Product Overview

Name	GIMAP5 Human
Description	
GTPase, IMAP Family Member 5 Human Recombinant	
Accession (Primary)	Q96F15
Synonyms	
GTPase IMAP family member 5, Immunity-associated nucleotide 4-like 1 protein, Immunity-associated nucleotide 5 protein, IAN-5, hIAN5, Immunity-associated protein 3, GIMAP5, IAN4L1, IAN5, IMAP3, HIMAP3, IAN4, IROD.	
Introduction	
GTPase, IMAP Family Member 5 (GIMAP5) is a part of the GTP-binding superfamily and the immuno-associated nucleotide subfamily of nucleotide-binding proteins. GIMAP5 is an antiapoptotic protein which is required for mitochondrial integrity and T-cell survival. Polymorphisms in GIMAP5 are related with systemic lupus erythematosus. Read-through transcription can be found between GIMAP5 and the neighboring upstream GIMAP1 (GTPase, IMAP family member 1) gene. GIMAP5 also contributes to T-cell quiescence.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The GIMAP5 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 40% glycerol and 2mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
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	

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NNWGSVEEQR QQQAELLAVI ERLGREREGS FHSNDLFLDA QLLQRTGAGA CQEDYRQYQA KVEWQVEKHK QELRENESNW AYKALLRVKH LMLLHYE.

Precautions

GIMAP5 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q96F15)