

32-3877: GIMAP5 Recombinant Protein

Alternative Name :

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.

Description

Source : Escherichia Coli. GIMAP5 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 307 amino acids (1-284) and having a molecular mass of 34.4 kDa. GIMAP5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount : 10 µg

Purification : Greater than 85.0% as determined by SDS-PAGE.

Content : The GIMAP5 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 40% glycerol and 2mM DTT.

Storage condition : 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.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSMGGFQRG KYGTMAEGRS EDNLSATPPA LRIILVGKTG
CGKSATGNSI LGQPVFESKL RAQSVTRTCQ VKTGTWNGRK VLVVDTPSIF ESQADTQELY KNIGDCYLLS
APGPHVLLLV IQLGRFTAQD TVAIRKVKEV FGTGAMRHVV ILFTHKEDLG GQALDDYVAN TDNCSLKDLV
RECERRYCAF NNWGSVEEQR QQQAELLAVI ERLGREREGRS FHSNDLFLDA QLLQRTGAGA
CQEDYRQYQA KVEWQVEKHK QELRENESNW AYKALLRVKH LMLLHYE.

