

**GIMAP5, 1-284aa, Human, His tag, E.coli**

**Cat.NO.: TP02240**

3th Edition

**Synonyms:**GTPase IMAP family member 5 , HIMAP3, IAN-5, IAN4, IAN4L1, IAN5, IMAP3, IROD

**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.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2mM DTT

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

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMGGFQRGKYGTMAEGRSEDNLSATPPALRIILVGKTGCGKSATGNSILGQP  
VFESKLRAQSVTRTCQVKTGTWNGRKVLVVDTPSIFESQADTQELYKNIGDCYLLSAPGPHVLLLVIQLGRFTAQDT  
VAIRKVKEVFGTGAMRHVILFTHKEDLGGQALDDYVANTDNC SLKDLVRECERRYCAFNNWGSVEEQRQQQAE  
LAVIERLGREREGSFHSNDLFLDAQLLQRTGAGACQEDYRQYQAKVEWQVEKHKQELRENE SNWAYKALLRVKH  
LMLLHYE

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.