

Product datasheet

Recombinant Human GMPS protein ab123202

1 Image

Description

Product name	Recombinant Human GMPS protein
Purity	> 90 % SDS-PAGE. ab123202 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	P49915
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>MGSSHHHHHH SSGLVPRGSH MGSHMALCNG DSKLENAGGD LKDGHHHYEG AVVILDAGAQ YGKVIDRRVR ELVQSEIFP LETPAFAIKE QGFRAIISG GPNSVYAEDA PWFDP AIFTI GKPVLGICYG MQMMNKVFGG TVHKKSVRED GVFNISVDNT CSLFRGLQKE EVVLLTHGDS VDKVADGFKV VARSGNIVAG IANESKKLYG AQFHPEVGLT ENKVILKNF LYDIAGCSGT FTVQNRELEC IREIKERVGT SKVLVLLSGG VDSTVCTALL NRALNQEQVI AVHIDNGFMR KRESQSVEEA LKKLGIQVKV INAAHSFYNG TTTLPISDED RTPRKRIKT LNMTTSP EEK RKIIGDTFVK IANEVIGEMN LKPEEVFLAQ GTLRPDLIES ASLVASGKAE LIKTHHNDTE LIRKLREEGK VIEPLKDFHK DEVRILGREL GLPEELVSRH PFPGPGLAIR VICAEEP YIC KDFPETNNIL KIVADFSASV KKPHTLLQRV KACTTEEDQE KLMQITSLHS LNAFLLPIKT VGVQGD CRSY SYVCGISSKD EPDWESLIFL ARLIPRMCHN VNRVVYIFGP PVKEPPTDVT PTFLTTGVLS TLRQADFEAH NILRESGYAG KISQMPVILT PLHFDRDPLQ KQPSCQRSVV IRTFITSDFM TGIPATPGNE IPVEVVLKMV TEIKKIPGIS RIMYDLT SKP PGTTEWE</p>
Predicted molecular weight	79 kDa including tags
Amino acids	1 to 693
Tags	His tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab123202** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid
Additional notes	This product was previously labelled as GMP Synthase

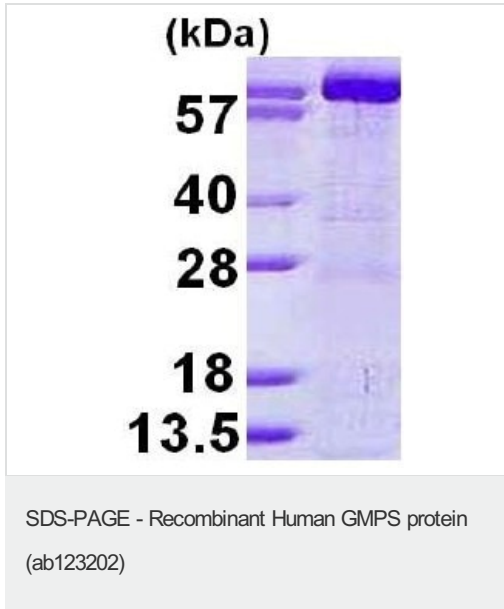
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 30% Glycerol (glycerin, glycerine), 0.58% Sodium chloride
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General Info

Function	Involved in the de novo synthesis of guanine nucleotides which are not only essential for DNA and RNA synthesis, but also provide GTP, which is involved in a number of cellular processes important for cell division.
Pathway	Purine metabolism; GMP biosynthesis; GMP from XMP (L-Gln route): step 1/1.
Involvement in disease	Note=A chromosomal aberration involving GMPS is found in acute myeloid leukemias. Translocation t(3,11)(q25,q23) with MLL.
Sequence similarities	Contains 1 glutamine amidotransferase type-1 domain. Contains 1 GMP-binding domain.
Cellular localization	Cytoplasm.

Images



15% SDS-PAGE showing ab123202 (3µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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