

RPPB1716

Product Information Protein Information

Product SKU:

RPPB1716

Accession:

P49915

Host:

Escherichia Coli.

Protein description:

GMPS Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 717 amino acids (1-693) and having a molecular mass of 79.2kDa. GMPS is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

GMP synthase [glutamine-hydrolyzing], GMP synthetase, Glutamine amidotransferase, GMPS, GMP synthase, guanosine 5'-monophosphate synthase, MLL/GMPS fusion protein.

Formulation:

The GMPS solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 30% glycerol and 0.1M NaCl.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

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.

Amino Acid Sequence:

MGSSHHHHH SSGLVPRGSH MGSHMALCNG DSKLENAGGD LKDGHHHYEG AVVILDAGA QYGKVIDRRVR
ELFVQSEIFP LETPAFAIKE QGFRAIISG GPNSVYAEDA PWFDPAIFTI GKPVLGICYG MQMMNKVFGG
TVHKKSVRED GVFNISVDNT CSLFRGLQKE EVLLTHGDS VDKVADGFKV VARSGNIVAG IANESKKLYG
AQFHPEVGLT ENGKVLKNF LYDIAGCSGT FTVQNRELEC IREIKERVGT SKVLVLLSGG VDSTVCTALL
NRALNQEVI AVHIDNGFMR KRESQSVEEA LKKLGIQVKV INAAHSFYNG TTTLPISEDE RTPRKRISKT
LNMTTSPEEK RKIIGDTFVK IANEVIGEMN LKPEEVFLAQ GTLRPDLIES ASLVASGKAE LIKTHHNDTE
LIRKLREEGK VIEPLKDFHK DEVRILGREL GLPEELVSRH PFPGPGLAIR VICAEEPYIC KDFPETNNIL KIVADFSASV
KKPHTLLQRV KACTTEEDQE KLMQITSLHS LNAFLPIKT VGVQGDGRSY SYVCGISSKD EPDWESLIFL
ARLIPRMCHN VNRVYIFGP PVKEPPTDVT PTFLLTGVLS TLRQADFEAH NILRESGYAG KISQMPVILT
PLHFDRDPLQ KQPSCQRSV IRTFITSDFM TGIPATPGNE IPVEVLKVMV TEIKKIPGIS RIMYDLTSKP PGTTEWE.