

Glycine Amidinotransferase Human Recombinant

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| Item Number | rAP-1996 |
| Synonyms | Glycine amidinotransferase, mitochondrial, L-arginine:glycine amidinotransferase, Transaminidase, GATM, AGAT, AT. |
| Description | GATM Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 410 amino acids (38-423) and having a molecular mass of 46.9kDa (Molecular size on SDS-PAGE will appear higher).GATM is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chro- |
| Uniprot Accesion Number | P50440 |
| Amino Acid Sequence | MGSSHHHHH SSGLVPRGSH MGSMTQAAT ASSRNSCAAD DKATEPLPKD CPVSSYNEWD PLEEVIVGRA ENACVPPFTI EVKANTYEKY WPFYQKQGGH YFPKDHLKKA VAEIEEMCNI LKTEGVTVRR PDPIDWSLKY KTPDFESTGL YSAMPDILI VVGNEIIEAP MAWRSRFFEYRAYRSIIKDY FHRGAKWTTA PKPTMADELY NQDYPIHSVE DRHKLAAQ GK FVTTEFEP CF DAADFIRAGR DIFA- QRSQVT NYLGIEMRRL HLPDYRVHI ISFKDPNPMH IDATFNIIGP GIVLSNPDRP CHQIDLFKKA GWTIITPPTP IIPDDHPLWM SSKWLSMNVL MLDEKRV MVDANEVPIQKMF EKLGITTIKV NIRNANSLGG GFHCWTC DVR RRGTLQSYLD. |
| Source | E.coli. |
| Physical Appearance and Stability | Sterile Filtered colorless solution. 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. |
| Formulation and Purity | The GATM solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 200mM NaCl. Greater than 90% as determined by SDS-PAGE. |
| Application | |
| Solubility | |
| Biological Activity | |
| Shipping Format and Condition | Lyophilized powder at room temperature. |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**