

本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

GATM, 38-423aa, Human, His tag, E.coli

产品货号: TP02203

第三版

别名: Glycine amidinotransferase, mitochondrial, AGAT, AT.

描述: GATM (Glycine amidinotransferase, mitochondrial) is a mitochondrial enzyme that belongs to the amidinotransferase family. This enzyme is involved in creatine biosynthesis, whereby it catalyzes the transfer of a guanido group from L-arginine to glycine, resulting in guanidinoacetic acid, the immediate precursor of creatine. Creatine plays a vital role in energy metabolism in muscle tissues.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 10% glycerol, 200mM NaCl

分子量: 46.9kDa (410aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMGSMSTQAATASSRNSCAADDKATEPLPKDCPVSSYNEWDPLEEVIVGRAENACVPPFT
IEVKANTYEKYWPFYKQGGHYFPKDHLKKA VAEIEEMCNILKTEGVTVRRPDPIDWLSLKYKTPDFESTGLYSAMPRDILI
VVGNEIIEAPMAWRSRFFEYRAYRSIIKDYFHRGAKWTTAPKPTMADELYNQDYPIHSVEDRHKLA AQGKFVTTTEFPCF
DAADFIRAGRDIFAQRSQVTNLYLGIEWMRRHLAPDYRVHII SFKDPNPMHIDATFNIIGPGIVLSNPDRPCHQIDLFKKAG
WTIITPPTPIIPDDHPLWMSSKWLSMNVLM LDEKRVMVDANEVPIQKMFELGITTIVNIRNANSLGGGFHCWTCDVR
RRGTLQSYLD

纯度: > 95% by HPLC

浓度: 1mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.