

32-6664: AMT Human

Alternative Name : GCE, GCST, GCVT, NKH, Aminomethyltransferase, mitochondrial, Glycine cleavage system T protein, GCVT.

Description

Source: Escherichia Coli.

Sterile Filtered colorless solution.

Aminomethyltransferase, mitochondrial isoform 1 (AMT) is a component of the glycine cleavage system termed T-protein. AMT reversibly catalyzes the degradation of the aminomethyl moiety of glycine attached to the lipoate cofactor of H-protein, leading to the production of ammonia, 5,10-methylenetetrahydrofolate, and dihydrolipoate-bearing H-protein in the presence of tetrahydrofolate.

AMT Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 398 amino acids (29-403 a.a) and having a molecular mass of 43.3kDa.AMT is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 20 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : AMT protein solution (1mg/ml) in Phosphate Buffered Saline, 30% glycerol and 1mM DTT.

Storage condition : 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 : MGSSHHHHHH SSGLVPRGSH MGSAQEVLR TPLYDFHLAH GGKMVAFAGW SLPVQYRDSH
TDSHLHTRQH CSLFDVSHML QTKILGSDRV KLMESLVVGD IELRPNQGT LSLFTNEAGG ILDDLIVTNT
SEGHLYVVS N AGCWEKDLAL MQDKVRELQN QGRDVGLEVL DNALLALQGP TAAQVLQAGV
ADDLRKL PFM TSAVMEVFGV SGRVTRCGY TGEDGVEISV PVAGAVHLAT AILKNPEVKL AGLAARDSLR
LEAGLCLYGN DIDEHTTPVE GSLSWTLGKR RRAAMDFFGA KVIVPQLKGR VQRRRVGLMC
EGAPMRAHSP ILNMEGTKIG TVTSGCPSPS LKKNVAMGYV PCEYSRPGTM LLVEVRRKQQ MAVVSKMPFV
PTNYYTLK.