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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 MGSAQEVLRR TPLYDFHLAH GGKMVAFAGW SLPVQYRDSH TDSHLHTRQH CSLFDVSHML QTKILGSDRV KLMESLVVGD IAELRPNQGT LSLFTNEAGG ILDDLIVTNT SEGHLYVVSN AGCWEKDLAL MQDKVRELQN QGRDVGLEVL DNALLALQGP TAAQVLQAGV ADDLRKLPFM TSAVMEVFGV SGCRVTRCGY TGEDGVEISV PVAGAVHLAT AILKNPEVKL AGLAARDSLR LEAGLCLYGN DIDEHTTPVE GSLSWTLGKR RRAAMDFPGA KVIVPQLKGR VQRRRVGLMC EGAPMRAHSP ILNMEGTKIG TVTSGCPSPS LKKNVAMGYV PCEYSRPGTM LLVEVRRKQQ MAVVSKMPFV PTNYYTLK.