

Glycine C-Acetyltransferase Human Recombinant

Item Number	rAP-2015
Synonyms	2-amino-3-ketobutyrate coenzyme A ligase mitochondrial, AKB ligase, EC 2.3.1.29, Aminoacetone synthase, Glycine acetyltransferase, GCAT, KBL.
Description	GCAT Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 419 amino acids (22-419 a.a) and having a molecular mass of 45kDa.GCAT is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	O75600
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MSALAQLRGI LEGELEGIRG AGTWKSERVI TSRQGPHIRV DGVSG-GILNF CANNYLGLSS HPEVIQAGLQ ALEEFAGLS SVRFICGTQS IHKNLEAKIA RFHQREDAIL YP-SCYDANAG LFEALLTPED AVLSDELNHA SIIDGIRLCK AHKYRYRHLD MADLEAKLQE AQKHRLRLVA TDGAFSMDGD IAPLQEICCL ASRYGALVFM DECHATGFLG PTGRGTDELL GVMDQVTIIN STLGKAL-GGA SGGYTTGPGP LVLLRQRAR PYLFSNSLPP AVVGCASKAL DLLMGSNTIV QSMAAKTQRF RSKMEAAGFT ISGASHPICP VMLGDARLAS RMADDMLKRG IFVIGFSYPV VPKGKARIRV
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear 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	GCAT protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol. Greater than 85.0% 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**