

Aminoacylase-1 Human Recombinant

Item Number	rAP-1183
Synonyms	N-acyl-L-amino-acid amidohydrolase, ACY-1, ACY1D, ACYLASE, ACY1, EC 3.5.1.143.
Description	ACY1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 428 amino acids (1-408 a.a.) and having a molecular mass of 48kDa. The ACY1 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q03154
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MTSKGPEEEH PSVTLFRQYL RIRTVQPKPD YGAAVAFEE TARQLGLGCQ KVEVAPGYVV TVLTWPGTNP TLSSILLNSH TDVVPVFKEH WSHDPFEAFK DSEGYYIARG AQDMKCVSIQ YLEAVRRLKV EGHFRPRTIH MTFVPDEEVG GHQGMELFVQ RPE- FHALRAG FALDEGIANP TDAFTVFYSE RSPWWVRVTS TGRPGHASRF MEDTAAEKLH KVVNSILAFR EKEWQRLQSN PHLKEGSVTS VNLTKLEGGV AYNVIPATMS ASFDFRVAPD VDFKAFEEQL QSWCQAA- GEG VTLEFAQKWM HPQVTPPTDDS NPWWAAFSRV CKDMNLTLEP EIMPAATDNR YIRAVGVPAL GFSPMNRTPV LLHDHDERLH EAVFLRGVDI YTRLLPALAS VPALPSDS.
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	The ACY1 solution (0.5mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT & 10% glycerol. Greater than 90.0% 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**