

Aminolevulinate Dehydratase Human Recombinant

Item Number	rAP-1168
Synonyms	Aminolevulinate delta-dehydratase, ALADH, PBGS, Porphobilinogen synthase, delta-aminolevulinic acid dehydratase, EC 4.2.1.24.
Description	ALAD Human Recombinant produced in <i>E. coli</i> is a single polypeptide chain containing 354 amino acids (1-330) and having a molecular mass of 38.8kDa. ALAD is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P13716
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMQPQSV LHSFYFHPLL RAWQTATTTL NASNLIYPIF VTDVPDDIQP ITSLPGVARY GVKRLEEMLR PLVEEGLRCV LIFGVPSRVP KDERGSAADS EESPAIEAIH LLRKTFPNLL VACDVCLCPY TSHGHCGLLS ENGAFRAEES RQRLAEVALA YAKAGCQVVA PSDMMDGRVE AIKEALMAHG LGNRVSVMSY SAKFASCFYG PFRDAAKSSP AFGDRRCYQL PPGAR- GLALR AVDRDVREGA DMLMVKPGMP YLDIVREVKD KHPDLPLAVY HVSGEFAMLW HGAQAGAFDL KAAVLEAMTA FRRAGADIII TYYTPQLLQW LKEE.
Source	<i>E. coli</i> .
Physical Appearance and Stability	Sterile Filtered colorless 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 ALAD solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl and 10% glycerol. Greater than 85% 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**