

Aldo-Keto Reductase Family 1 Member A1 Human Recombinant

Item Number	rAP-1787
Synonyms	Alcohol dehydrogenase, ALR, ARM, DD3, ALDR1, MGC1380, MGC12529, AKR1A1, Alcohol dehydrogenase [NADP+], Aldehyde reductase, Aldo-keto reductase family 1 member A1.
Description	AKR1A1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 325 amino acids (1-325 a.a.) and having a molecular mass of 36.5 kDa. AKR1A1 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P14550
Amino Acid Sequence	MAASCVLLHT GQKMLPLIGL TWKSEPGQVK AAVKYALSVG YRHIDCAA Y GNEPEIGEAL KEDVPGKAV PREEFLVTSK LWNTKHHPED VEPALRKTLA DLQLEYLDLY LMHWPYAFER GDNPFP- KNAD GTICYDSTHY KETWKALEAL VAKGLVQALG LSNFNSRQID DILSVASVRP AVLQVECHPY LAQNELIAHC QARGLEVTAY SPLGSSDRAW RDPDEPVILLE PVVLALAEKY GRSPAQILL RWQVQRKVIC IPKSITPSRI LQNIKVFDFT FSPEEMKQLN ALNKNWRYIV PMLTVDGKRV PRDAGHPLYP FNDPY.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. AKR1A1 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Formulation and Purity	AKR1A1 solution containing 20mM Tris pH-8, 50mM NaCl and 10% glycerol. Greater than 90% 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**