

Aldo-Keto Reductase Family 1 Member B10 Human Recombinant

Item Number	rAP-1781
Synonyms	HIS, HSI, ARL1, ARL-1, ALDRLn, AKR1B11, AKR1B12, MGC14103, AKR1B10, Aldo-keto reductase family 1 member B10, Aldose reductase-like, Aldose reductase-related protein, ARP, hARP, Small intestine reductase, SI reductase.
Description	AKR1B10 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 316 amino acids (1-316 a.a) and having a molecular mass of 36 kDa. The AKR1B10 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	O60218
Amino Acid Sequence	MATFVELSTK AKMPIVGLGT WKSPLGKVKE AVKVAIDAGY RHIDCAVYVQ NEHEVGEAIQ EKIQEKAVKR EDLFIIVSKLW PTFFERPLVRKAFKTKDL KLSYLDVYLI HWPQGFKSGD DLFPKDDKGN AIGGKATFLD AWEAMEELVD EGLVKALGVS NFSHFQIEKL LNKPGLYKYP VTNQVECHPY LTQEKLQIYC HSKGITVTAY SPLGSPDRPW AKPEDPSLLE DPKIKEIAAK HKKTAAQVLI RFHIQRNVIV IPKSVTPARIVENIQVDFDK LSDEEMATIL SFNRNWRACN VLQSSHLEDY PFDAEY.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear 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 AKR1B10 solution contains 20mM Tris-HCl pH-8 and 10% glycerol. Greater than 95.0% 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**