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Product Datasheet

Recombinant Human Aldehyde reductase/AKR1B1 Protein, E. coli ABB-RP02938

Article Name	Recombinant Human Aldehyde reductase/AKR1B1 Protein, E. coli
Biozol Catalog Number	ABB-RP02938
Supplier Catalog Number	RP02938
Alternative Catalog Number	ABB-RP02938-100UG
Manufacturer	ABclonal
Host	E. coli
Category	Proteine/Peptide
Species Reactivity	Human
Immunogen	Met1-Phe316
Product Description	Aldose reductase (AKR1B1) belongs to the aldo/keto reductase superfamily. AKR1B1 is a NADPH-dependent aldo-keto reductase best known as the rate-limiting enzyme of the polyol pathway. Expression of AKR1B1 was the highest in lens and retina. It is the...
Concentration	Please contact us for more information.
Molecular Weight	37.9 kDa
Tag	N-His
NCBI	231
UniProt	P15121
Source	E. coli

Purity	90 % as determined by SDS-PAGE.
Form	Lyophilized from a 0.22 µm filtered solution of PBS, 20% glycerol, pH 7.5.
Sequence	MASRLLLNNNGAKMPILGLGTWKSPPGQVTEAVKVAIDVGYRHIDCAH VYQNE NEVGVAIQEKLREQVVKREELFIVSKLWCTYHEKGLVKGACQKTLSDLKLDYL DLYLIHWPTGFKPGKEFFPLDESGNVVPSDTNILD TWAAMEELVDEGLVKAIGI SNFNHLQVEMILNKPGKYKPAVNQIECHPYLTQEKL IQYCQSKGIVVTAYSP GSPDRPWA KPEDPSLLEDPRIKAIAAKHNKTTAQVLIRFPMQ
Target	Aldehyde reductase/AKR1B1
Application Dilute	Lyophilized from a 0.22 µm filtered solution of PBS, 20% glycerol, pH 7.5.
Application Notes	Cross-Reactivity: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles., ResearchArea: Other Recombinant Protein