

Recombinant Human Aldehyde reductase/AKR1B1 Protein

RPCB1858



Product Information

Product SKU:	RPCB1858	Gene ID:	231	Size:	100µg
Tag:	N-His	Reactivity:	Human		

Additional Information

Expression Host:	E. coli	Swissprot:	P15121
Purity:	> 90 % as determined by SDS-PAGE		

Protein Information

Background: 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 first enzyme in the polyol pathway through which glucose is converted to sorbitol which is important for the function of various organs in the body, and has been implicated in the etiology of diabetic complications. AKR1B1 is quite abundant in the collecting tubule cells and thought to provide protection against hypertonic environment. Some human tissues contain AKR1B1 as well as AKR1B10, a closely related member of the aldo-keto reductase superfamily.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human Aldehyde reductase/AKR1B1 Protein, tested reactivity in E. coli and has been validated in SDS-PAGE. 100% guaranteed.

Endotoxin: Please contact us for more information.

Formulation: Lyophilized from a 0.22 µm filtered solution of PBS, 20% glycerol, pH 7.5.

Storage: Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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