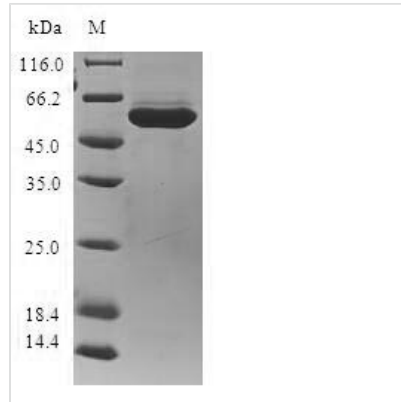




# Recombinant Human Aldo-keto reductase family 1 member B10 (AKR1B10)

<b>Product Code</b>	CSB-EP001540HU
<b>Relevance</b>	Acts as all-trans-retinaldehyde reductase. Can efficiently reduce aliphatic and aromatic aldehydes, and is less active on hexoses (in vitro). May be responsible for detoxification of reactive aldehydes in the digested food before the nutrients are passed on to other organs.
<b>Abbreviation</b>	Recombinant Human AKR1B10 protein
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	O60218
<b>Alias</b>	ARL-1 Aldose reductase-like Aldose reductase-related protein
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MATFVELSTKAKMPIVGLGTWKSPLGKVKEAVKVAIDAGYRHIDCAYVYQNEH EVGEAIQEKIQEKA VKREDLFIVSKLWPTFFERPLVRKAFEKTLKDLKLSYLDVY LIHWPQGFKSGDDLFPKDDKGNAIGGKATFLDAWEAMEELVDEGLVKALGVS NFSHFQIEKLLNKPGLKYKPV TNQVECHPYLTQEKLIQYCHSKGITVTAYSPLG SPDRPWAKPEDPSLLEDPKIKEIAAKHKKTAAQVLIRFHQRNVIVIPKSVTPARI VENIQVDFDKLSDEEMATILSFNRNWRACNVLQSSHLEDYPFNAEY
<b>Research Area</b>	Signal Transduction
<b>Source</b>	E.coli
<b>Target Names</b>	AKR1B10
<b>Protein Names</b>	Recommended name: Aldo-keto reductase family 1 member B10 EC= 1.1.1.- Alternative name(s): ARL-1 Aldose reductase-like Aldose reductase-related protein Short name= ARP Short name= hARP Small intestine reductase
<b>Expression Region</b>	1-316aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal GST-tagged
<b>Mol. Weight</b>	63.0kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.