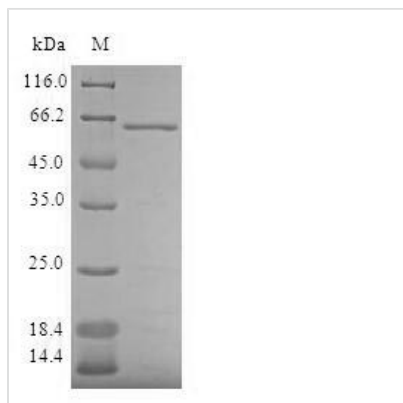




Recombinant Human Aflatoxin B1 aldehyde reductase member 3 (AKR7A3)

Product Code	CSB-EP001551HU
Relevance	Can reduce the dialdehyde protein-binding form of aflatoxin B1 (AFB1) to the non-binding AFB1 dialcohol. May be involved in protection of liver against the toxic and carcinogenic effects of AFB1, a potent hepatocarcinogen.
Abbreviation	Recombinant Human AKR7A3 protein
Storage	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.
Uniprot No.	O95154
Alias	AFB1 aldehyde reductase 2
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MSRQLSRARPATVLGAMEMGRRMDAPTSAAVTRAFLEGRGHTSIDTAFVYSEG QSETILGGLGLRLGGSDCRVKIDTKAIPFGNSLKPDSLRFQLETSLKRLQCPR VDLFYHMPDHSTPVEETLRACHQLHQEGKFVELGLSNYAAWEVAEICTLCKS NGWILPTVYQGMYNITRQVETELFPCLRHFGLRFYAFNPLAGLLTGKYKYE DKDGKQPVGRFFGNTWAEMYRNRYWKEHHFEGIALVEKALQAAYGASAPSM TSATLRWMYHHSQIQGAHGDAVILGMSSLEQLEQNLAEEGPLEPAVVDFAF NQAWHLVAHECPNYFR
Research Area	Signal Transduction
Source	E.coli
Target Names	AKR7A3
Protein Names	Recommended name: Aflatoxin B1 aldehyde reductase member 3 EC= 1.-.-.- Alternative name(s): AFB1 aldehyde reductase 2 Short name= AFB1-AR 2
Expression Region	1-331aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	64.2kDa
Protein Length	Full Length of BC025709
Image	



(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.