

## Recombinant Human AKR7A2 Protein, GST-tagged

Cat. No. AKR7A2-176H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human AKR7A2 Protein(NP_003680)(60-359 aa), fused to GST tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	60-359 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
<b>AA Sequence</b>	RAFLERGHTELDTAFMYSDGQSETILGGLGLGLGGGDCRVKIATKANPWDGKSLKP DSVRSQLETSLKRLQCPQVDFLYLHAPDHGTPVEETLHACQRLHQEGKFVELGLSN YASWEVAEICTLCKSNGWILPTVYQGMYNATTRQVETELFPCLRHFGGLRFYAYNPLA GGLLTGKYKYEDKDGKQPVGRFFGNSWAETYRNRFWKEHHFEAIALVEKALQAAY GASAPSVTSAALRWMYHHSQLQGAHGDAVILGMSSELEQLEQNLAATEEGPLEPAVV DAFNQAWHLVAHECPNYFR
<b>Purity</b>	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw

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cycles.

**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).  
If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).  
Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

**GENE INFORMATION**

<b>Gene Name</b>	AKR7A2 aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase) [ Homo sapiens ]
<b>Official Symbol</b>	AKR7A2
<b>Synonyms</b>	AKR7A2; aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase); aflatoxin B1 aldehyde reductase member 2; AFAR; AFB1-AR 1; SSA reductase; aldoketoreductase 7; AFB1 aldehyde reductase 1; succinic semialdehyde reductase; aflatoxin beta1 aldehyde reductase; AKR7; AFAR1; AFB1-AR1;
<b>Gene ID</b>	8574
<b>mRNA Refseq</b>	NM_003689
<b>Protein Refseq</b>	NP_003680
<b>MIM</b>	603418



UniProt ID

O43488

SDS-PAGE



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