

Recombinant Human AKR7A2 protein, His-tagged

Cat. No. AKR7A2-3703H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKR7A2 protein(60-359 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	60-359 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	RAFLERGHTELDTAFMYSDGQSETILGGLGLGLGGGDCRVKIATKANPWDGKSLKP DSVRSQLETSLKRLQCPQVDFLYLHAPDHGTPVEETLHACQRLHQEGKFVELGLSN YASWEVAEICTLCKSNGWILPTVYQGMYNATTRQVETELFPCLRHFGGLRFYAYNPLA GGLLTGKYKYEDKDGKQPVGRFFGNSWAETYRNRFWKEHHFEAIALVEKALQAAY GASAPSVTSAALRWMYHHSQLQGAHGDAVILGMSSLEQLEQNLAATEEGPLEPAVV DAFNQAWHLVAHECPNYFR
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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.

GENE INFORMATION

Gene Name

AKR7A2 aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase) [Homo sapiens]

Official Symbol

AKR7A2

Synonyms

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;

Gene ID

8574

mRNA Refseq

NM_003689

Protein Refseq

NP_003680

MIM

603418

UniProt ID

O43488

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