

Recombinant Human AKR7A2 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human AKR7A2 Protein(NP_003680)(60-359 aa), fused to GST 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, pH8.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	RAFLERGHTELDTAFMYSDGQSETILGGLGLGLGGGDCRVKIATKANPWDGKSLKP DSVRSQLETSLKRLQCPQVDLFYLHAPDHGTPVEETLHACQRLHQEGKFVELGLSN YASWEVAEICTLCKSNGWILPTVYQGMYNATTRQVETELFPCLRHFGRLRFYAYNPLA GGLLTGKYKYEDKDGGKQPVGRFFGNSWAETYNRFRWKEHHFEAIALVEKALQAAY GASAPSVTSAALRWMYHHSQQLQGAHGDAVILGMSSLEQLEQNLAATEEGPLEPAVV DAFNQAWHLVAHECPNYFR
Purity	90%, 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 (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

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

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UniProt ID

O43488

SDS-PAGE

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