

Recombinant Human AKR7A3 protein, GST-tagged

Cat. No. AKR7A3-9538H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKR7A3 protein(1-331 aa), fused with N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-331 aa
Tag	N-GST
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.
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, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

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AA Sequence

MSRQLSRARPATVLGAMEMGRRMDAPTSAAVTRAFLEGRGHEIDTAFVYSEGQSE
 TILGGLGLRLGGSDCRVKIDTKAIPLFGNSLKPDSLRFQLETSLKRLQCPRVDLFYLH
 MPDHSTPVEETLRACHQLHQEGKFVELGLSNYAWEVAEICTLCKSNGWILPTVYQ
 GMYNAITRQVETELFPCLRHFGRLRFYAFNPLAGLLTGKYYEDKDGKQPVGRFFG
 NTWAEMYRNRYWKEHHFEGIALVEKALQAAYGASAPSMTSATLRWWMYHHSQLQG
 AHGDAVILGMSLEQLEQNLAEEGPLEPAVVDAFNQAWHLVAHECPNYFR

GENE INFORMATION

Gene Name	AKR7A3 aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase) [Homo sapiens]
Official Symbol	AKR7A3
Synonyms	AKR7A3; aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase); aflatoxin B1 aldehyde reductase member 3; AFB1-AR 2; AFB1 aldehyde reductase 2; aflatoxin B1 aldehyde reductase 2; AFAR2;
Gene ID	22977
mRNA Refseq	NM_012067
Protein Refseq	NP_036199
MIM	608477
UniProt ID	O95154

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SDS-PAGE



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