

Full-Length

AKR7A2 (Human) Recombinant Protein (P01)

Catalog # H00008574-P01 Size 2

Size 25 ug, 10 ug

Applications



Specification	
Product Description	Human AKR7A2 full-length ORF (AAH04111.3, 1 a.a 330 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSRPPPPRVASVLGTMEMGRRMDAPASAAAVRAFLERGHTELDTAFMYSDGQSETILGGLGLGL GGGDCRVKIATKANPWDGKSLKPDSVRSQLETSLKRLQCPQVDLFYLHAPDHGTPVEETLHACQ RLHQEGKFVELGLSNYASWEVAEICTLCKSNGWILPTVYQGMYNATTRQVETELFPCLRHFGLRF YAYNPLAGGLLTGKYKYEDKDGKQPVGRFFGNSWAETYRNRFWKEHHFEAIALVEKALQAAYGA SAPSVTSAALRWMYHHSQLQGAHGDAVILGMSSLEQLEQNLAATEEGPLEPAVVDAFNQAWHL VAHECPNYFR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	61.82
Interspecies Antigen Sequence	Mouse (89); Rat (88)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCI, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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Product Information

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — AKR7A2

Entrez GenelD	<u>8574</u>
GeneBank Accession#	<u>BC004111</u>
Protein Accession#	<u>AAH04111.3</u>
Gene Name	AKR7A2
Gene Alias	AFAR, AFAR1, AFB1-AR1, AKR7
Gene Description	aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)
Omim ID	<u>603418</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	Aldo-keto reductases, such as AKR7A2, are involved in the detoxification of aldehydes and keton es.[supplied by OMIM
Other Designations	aflatoxin beta1 aldehyde reductase aldo-keto reductase family 7, member A2 aldoketoreductase 7

Publication Reference



 In vitro metabolism of a novel JNK inhibitor tanzisertib: interspecies differences in oxido-reduction and characterization of enzymes involved in metabolism.

Atsriku C, Hoffmann M, Moghaddam M, Kumar G, Surapaneni S.

Xenobiotica 2015 Jun; 45(6):465.

Application: Enzyme, Human, Tanzisertib were incubated in human liver microsomes, cytosol and hepatocytes