

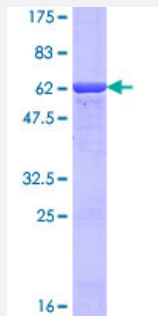
Full-Length

AKR7A2 (Human) Recombinant Protein (P01)

Catalog # H00008574-P01

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

MSRPPPPRVASVLGTMEMGRRMDAPASAAVRAFLERGHTELDTAFMYSDGQSETILGGLGLGL
GGGDCRVKIATKANPWDGKSLKPDSVRSQLETSLKRLQCPQVDLFYLHAPDHGTPVEETLHACQ
RLHQEGKFVELGLSNYASWEVAEICTLCKSNGWILPTVYQGMYNATTRQVETELFCLRHFGRLRF
YAYNPLAGLLTGKYKYEDKDQKQPVGRFFGNSWAETYNRFWKEHHFEAIALVEKALQAAYGA
SAPSVTSAALRWMYHHSQQLQGAHGDAVILGMSSLEQLEQNLAATEEGPLEPAVVDAFNQAWHL
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-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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 GeneID[8574](#)**GeneBank Accession#**[BC004111](#)**Protein Accession#**[AAH04111.3](#)**Gene Name**

AKR7A2

Gene Alias

AFAR, AFAR1, AFB1-AR1, AKR7

Gene Description

aldo-keto reductase family 7, member A2 (aflatoxin aldehyde reductase)

Omim ID[603418](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Aldo-keto reductases, such as AKR7A2, are involved in the detoxification of aldehydes and ketones.[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