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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

AKR1D1 (Human) Recombinant Protein (P01)

Catalog Number: H00006718-P01

Regulation Status: For research use only (RUO)

Product Description: Human AKR1D1 full-length ORF (NP_005980.1, 1 a.a. - 326 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

```
MDLSAASHRIPLSDGNSIPIIGLGTYPKSTPKGACAT
SVKVAIDTGYRHIDGAYIQNEHEVGEAIREKIAEGKVR
REDIFYCGKLWATNHVPEMVRPTLERTLRVLQLDYVD
LYIIEVPMFAKPGDEIYPRDENGKWLHKSNLCAWWEA
MEACKDAGLVKSLGVSFNRRQLELILNKPGLKHKPV
SNQVECHPYFTQPCLKKFCQQHDIVITAYSPLGTSRNP
IWWNVSSPPLLKDALNSLGKRYNKTAQIVLRFNIQR
GVVVIKSFNLERIKENFQIFDFSLTEEMKDIEALNKN
VRFVELLMWRDHPEYPFHDEY
```

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 63.8

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 6718

Gene Symbol: AKR1D1

Gene Alias: 3o5bred, SRD5B1

Gene Summary: The enzyme encoded by this gene is responsible for the catalysis of the 5-beta-reduction of bile acid intermediates and steroid hormones carrying a delta(4)-3-one structure. Deficiency of this enzyme may contribute to hepatic dysfunction. [provided by RefSeq]

References:

1. 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*. 2014 Dec 5:1-16.