

# Human AKR1D1 Recombinant Protein



RPPB5798

## Product Information Protein Information

**Product SKU:**

RPPB5798

**Accession:**

P51857

**Host:**

Escherichia Coli.

**Protein description:**

AKR1D1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 326 amino acids (1-326 a.a.) and having a molecular mass of 37.3kDa. The AKR1D1 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile filtered colorless solution.

**Synonyms:**

3-oxo-5-beta-steroid 4-dehydrogenase, Aldo-Keto Reductase Family 1, Member D1, SRD5B1, Delta(4)-3-Ketosteroid 5-Beta-Reductase, Delta 4-3-Ketosteroid-5-Beta-Reductase, Delta(4)-3-Oxosteroid 5-Beta-Reductase, CBAS2, Steroid-5-Beta-Reductase, Beta Polypeptide 1 (3-Oxo-5 Beta-Steroid Delta 4-Dehydrogenase Beta 1), Aldo-Keto Reductase Family 1, Member D1 (Delta 4-3-Ketosteroid-5-Beta-Reductase), Aldo-Keto Reductase Family 1 Member D1, 3-Oxo-5-Beta-Steroid 4-Dehydrogenase, EC 1.3.1.3, 3o5bred.

**Formulation:**

The AKR1D1 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.5), 1mM DTT, 0.1M NaCl and 10% glycerol.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MDLSAASHRI PLSDGNSIPI IGLGTYSEPK STPKGACATS VKVAIDGYR HIDGAIYQN EHEVGEAIRE  
KIAEGKVRRE DIFYCGKLWA TNHVP MVRP TLERTLRVLQ LDYVDLYIE VPMAFKPGDE IYPRDENGKW  
LYHKS NL CAT WEAMEACKDA GLVKSLG VSN FNRRQLELIL NKPGLKHKPV SNQVECHPYF TQP KLLKFCQ  
QH DIVITAYS PLGTSRNP IW VNVSSP L LK DALLNSLGKR YNK TAAQIVL RFNIQRGVVV IPKSFNLERI  
KENFQIFDFS LTEEEMKDIE ALNKNVRFVE LLMWRDHPEY PFHDEY.