

AKR1D1, 1-326aa, Human, His tag, E.coli

Cat.NO.: TP01111

3th Edition

Synonyms: Aldo-keto reductase family 1, member D1; 3o5bred; CBAS2; SRD5B1.

Description: Aldo-keto reductase family 1, member D1, also known as AKR1D1, is a member of the AKR superfamily. The AKR family of proteins are soluble NADPH oxidoreductases. They play important roles in the metabolism of drugs, carcinogens and reactive aldehydes.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 100mM NaCl

Molecular Weight: 39.5 kDa (346aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMDLSAASHRIPLSDGNSIPIIGLGTYSSEPKSTPKGACATSVKVAIDTGYRHIDGAYIY
QNEHEVGEAIREKIAEGKVRREDIFYCGKLWATNHVPEMVRPTLERTLRVLQLDYVDLYIIIEVPMFAFKPGDEIYPRDE
NGKWLYHKSNLCATWEAMEACKDAGLVKSLGVSNFNRRQLELILNKPGLKHKPVSNQVECHPYFTQPKLLKFCQQ
HDIVITAYSPLGTSRNPIWVNVSPPLLKDALLNSLGKRYNKTAAQIVLRFNIQRGVVVIPKSFNLERIKENFQIFDFSL
TEEEMKDIEALNKNVRFVELLMWRDHPEYPFHDEY

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.