Active Recombinant Human AKR1C4

Cat. No. AKR1C4-721H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKR1C4 (Accession # NP_001809) Met1-Tyr323 was produced in E. coli-derived.
Species	Human
Source	E.coli
ProteinLength	1-323 a.a.
Predicted N Terminal	Met1
Form	Supplied as a 0.2 μm filtered solution in Tris, NaCl, Glycerol and DTT.
Bio-activity	Measured by its NADP+-dependent oxidation of cholic acid.The specific activity is >300 pmol/min/μg, as measured under the described conditions.
Molecular Mass	Recombinant Human AKR1C4 has a calculated MW of 37 kDa. In SDS-PAGE migrates as 36-38 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 μg per lane.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3 months (-70ºC).

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	AKR1C4 aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4) [Homo sapiens]
Official Symbol	AKR1C4
Synonyms	AKR1C4; aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4); CHDR; aldo-keto reductase family 1 member C4; 3 alpha HSD; C11; CDR; DD4; HAKRA; MGC22581; 3-alpha-HSD1; dihydrodiol dehydrogenase isozyme DD4; type I 3-alpha-hydroxysteroid dehydrogenase; DD-4; 3-alpha-HSD;
Gene ID	1109
mRNA Refseq	NM_001818
Protein Refseq	NP_001809
MIM	600451
UniProt ID	P17516
Chromosome Location	10p15.1

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