

Product datasheet for **TP720265L**

AKR1C2 (NM_001135241) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human similar to hCG2017792 (LOC100134257)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Tyr323
Tag:	Tag Free
Predicted MW:	36.7 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001128713
Locus ID:	1646
UniProt ID:	P52895
Cytogenetics:	10p15.1
Synonyms:	AKR1C-pseudo; BAPP; DD; DD-2; DD/BAPP; DD2; DDH2; HAKRD; HBAB; MCDR2; SRXY8; TDD
Summary:	This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. These enzymes catalyze the conversion of aldehydes and ketones to their corresponding alcohols using NADH and/or NADPH as cofactors. The enzymes display overlapping but distinct substrate specificity. This enzyme binds bile acid with high affinity, and shows minimal 3-alpha-hydroxysteroid dehydrogenase activity. This gene shares high sequence identity with three other gene members and is clustered with those three genes at chromosome 10p15-p14. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]



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Protein Families: Druggable Genome

Protein Pathways: Metabolism of xenobiotics by cytochrome P450

Product images:

