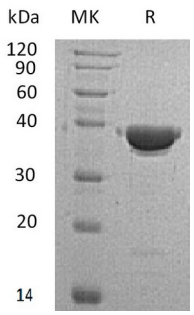
Product Name: Recombinant Human AKR1C4 (N-6His)
Catalog #: PEH0038

Summary

Name	AKR1C4/Aldo-keto Reductase 1C4
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Aldo-Keto Reductase Family 1 Member C4 is produced by our E.coli expression system and the target gene encoding Met1-Tyr323 is expressed with a 6His tag at the N-terminus.
Accession #	P17516
Host	E.coli
Species	Human
Predicted Molecular Mass	39.3 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 15% Sucrose, 200mM NaCl, 1mM TCEP, 0.05% Tween80, pH8.8.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

Alternative Names	Aldo-Keto Reductase Family 1 Member C4; 3-Alpha-HSD1; 3-Alpha-Hydroxysteroid Dehydrogenase Type I; Chlordecone Reductase; CDR; Dihydrodiol Dehydrogenase 4; DD-4; DD4; HAKRA; AKR1C4; CHDR
Background	Aldo-Keto Reductase 1C4/AKR1C4 is a member of the aldo/keto reductase family

that consists of more than 40 known enzymes and proteins. AKR1C4 has highly expressed in Liver. It can catalyzes the bioreduction of chlordecone, a toxic organochlorine pesticide, to chlordecone alcohol in liver. AKR1C4 catalyzes the transformation of the potent androgen dihydrotestosterone (DHT) into the less active form, 5-α-Androstan-3-α,17-β-diol (3-α-diol). In addition, AKR1C4 also has some 20-α-Hydroxysteroid Dehydrogenase activity.

Note

For Research Use Only , Not for Diagnostic Use.