



Recombinant Human Aldo-keto reductase family 1 member C4 (AKR1C4)

Product Code	CSB-EP001545HU
Relevance	Catalyzes the transformation of the potent androgen dihydrotestosterone (DHT) into the less active form, 5-alpha-androstan-3-alpha,17-beta-diol (3-alpha-diol). Also has some 20-alpha-hydroxysteroid dehydrogenase activity. The biotransformation of the pesticide chlordecone (kepone) to its corresponding alcohol leads to increased biliary excretion of the pesticide and concomitant reduction of its neurotoxicity since bile is the major excretory route.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P17516
Alias	3-alpha-HSD1 3-alpha-hydroxysteroid dehydrogenase type I Chlordecone reductase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MDPKYQRVELNDGHFMPVLGFGTYAPPEVPRNRAVEVTCLAIEAGFRHIDSAY LYNNEEQVGLAIRSKIADGSKREDIFYTSKLWCTFFQPQMVQPALESSLKKLQ LDYVDLYLLHFPALKPGETPLPKDENGKVIKFDTVDLSATWEVMEKCKDAGLA KSGVSNFNCRQLEMILNKPLKYPVCNQVECHPYLNQSKLLDFCKSKDIVLV AHSALGTQRHKLWVDPNSPVLLEDPVLCALAKKHKQTPALIALRYQLQRGVVV LAKSYNEQRIRENIQVFELTSEDMKVLGDLNRNYRYVVMDFLMDHPDYPFS DEY
Lead Time	Delivery time may differ from different purchasing way or location, please kindly consult your local distributors for specific delivery time.
Research Area	Signal Transduction
Source	E.coli
Gene Names	AKR1C4
Protein Names	Recommended name: Aldo-keto reductase family 1 member C4 EC= 1.1.1.- Alternative name(s): 3-alpha-HSD1 3-alpha-hydroxysteroid dehydrogenase type I EC= 1.1.1.50 Chlordecone reductase Short name= CDR EC= 1.1.1.225
Expression Region	1-323aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged

