

Recombinant Human AKR1C3 protein, GST-tagged

Cat. No. AKR1C3-9533H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human AKR1C3 protein(1-323 aa), fused with N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-323 aa
Tag	N-GST
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ ,17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage.

 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

AA Sequence

MDSKHQCVKLNDGHFMPVLGFGTYAPPEVPRSKALEVTKLAIEAGFRHIDSAHLYNN
 EEQVGLAIRSKIADGSVKREDIFYTSKLWSTFHRPELVRPALENSLKKAQLDYVDLYLI
 HSPMSLKPGEELSPTDENGKVFIDIVDLCTTWEAMEKCKDAGLAKSIGVSNFNRRQL
 EMILNKPGLKYKPCVNQVECHPYFNRSKLLDFCKSKDIVLVAYSALGSQRDKRWVD
 PNSPVLLEDPVLCALAKKHKRTPALIALRYQLQRGVVVLAKSYPNEQRIRQNVQVFEF
 QLTAEDMKAIDGLDRNLHYFNSSDSFASHPNYPYSDEY

GENE INFORMATION
Gene Name

AKR1C3 *aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II) [Homo sapiens]*

Official Symbol

AKR1C3

Synonyms

AKR1C3; *aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II)*; HSD17B5, *hydroxysteroid (17 beta) dehydrogenase 5*; *aldo-keto reductase family 1 member C3*; DDX; *dihydrodiol dehydrogenase X*; HAKRB; KIAA0119; PGFS; *prostaglandin F synthase*; *indanol dehydrogenase*; *3-alpha-HSD type II, brain*; *dihydrodiol dehydrogenase 3*; *chlordecone reductase homolog HAKRb*; *testosterone 17-beta-dehydrogenase 5*; *type IIb 3-alpha hydroxysteroid dehydrogenase*; *trans-1,2-dihydrobenzene-1,2-diol dehydrogenase*; DD3; HAKRe; HA1753; HSD17B5; hluPGFS;

Gene ID

8644

mRNA Refseq

NM_001253909

Protein Refseq

NP_001240838

MIM

603966

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UniProt ID

P42330

SDS-PAGE



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