

Product datasheet for TP324970L

AKR1CL2 (AKR1E2) (NM_001040177) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human aldo-keto reductase family 1, member C-like 2 (AKR1CL2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224970 representing NM_001040177 Red=Cloning site Green=Tags(s)

MGDIPAVGLSSWKASPGKVTEAVKEAIDAGYRHFDCAYFYHNEREVGAGIRCKIKEGAVRREDLFIATKL
WCTCHKKSLVETACRSLKALKLNLYLDLYLIHWPMGFKPPPEWIMSCSELSFCLSHPRVQDLPLDESNM
VIPSDDFLDTWEAMEDLVITGLVKNIGVSNFNHEQLERLLNKPGLRFKPLTNQIECHPYLTQKNLISFC
QSRDVSVTAYRPLGGSCGVDLIDNPVIKRIAKEHGKSPAQILIRFQIQRNVIVIPGSITPSHIKENIQV
DFELTQHMDMNLNLRNRLAMFPITKNHKDYPPHIEY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	36.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001035267
Locus ID:	83592



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UniProt ID: [Q96JD6](#)

RefSeq Size: 1623

Cytogenetics: 10p15.1

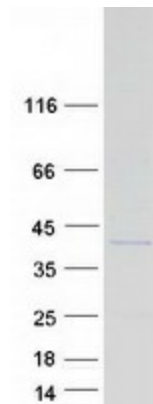
RefSeq ORF: 960

Synonyms: AKR1CL2; AKRDC1; htAKR; hTSP; HTSP1; LoopADR; TAKR

Summary: The protein encoded by this gene is a member of the aldo-keto reductase superfamily. Members in this family are characterized by their structure (evolutionarily highly conserved TIM barrel) and function (NAD(P)H-dependent oxido-reduction of carbonyl groups). Transcripts of this gene have been reported in specimens of human testis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified AKR1E2 protein (Cat# [TP324970]). The protein was produced from HEK293T cells transfected with AKR1E2 cDNA clone (Cat# [RC224970]) using MegaTran 2.0 (Cat# [TT210002]).