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Product datasheet for PH324970

AKR1CL2 (AKR1E2) (NM_001040177) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AKR1E2 MS Standard C13 and N15-labeled recombinant protein (NP_001035267)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224970
Predicted MW:	36.4 kDa
Protein Sequence:	>RC224970 representing NM_001040177 Red=Cloning site Green=Tags(s) MGDIPAVGLSSWKASPGKVTEAVKEAIDAGYRHFDCAYFYHNEREVGAGIRCKIKEGAVRREDLFIATKL WCTCHKKSLVETACRKSLKALKLNYLDLYLIHWPMGFKPPHPEWIMSCSELSFCLSHPRVQDLPLDESNM VIPSDTDFLDTWEAMEDLVITGLVKNIGVSNFNHEQLERLLNKPGLRFKPLTNQIECHPYLTQKNLISFC QSRDVSVTAYRPLGGSCEGVDLIDNPVIKRIAKEHGKSPAQILIRFQIQRNVIVIPGSITPSHIKENIQV FDFELTQHDMDNILSLNRNLRLAMFPITKNHKDYPFHIEY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001035267
RefSeq Size:	1623
RefSeq ORF:	960
Synonyms:	AKR1CL2; AKRDC1; htAKR; hTSP; HTSP1; LoopADR; TAKR
Locus ID:	83592

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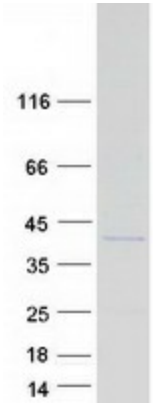
UniProt ID: Q96JD6

Cytogenetics: 10p15.1

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]).