

Product datasheet for PH303177

AKR1B10 (NM_020299) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AKR1B10 MS Standard C13 and N15-labeled recombinant protein (NP_064695)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203177
Predicted MW:	36 kDa
Protein Sequence:	>RC203177 protein sequence Red=Cloning site Green=Tags(s)

MATFVELSTKAKMPIVGLGTWKSPGKVKAEAVKVAIDAGYRHIDCAYVYQNEHEVGEAIQEIKIEKAVKR
EDLFIVSKLWPTFFERPLVRKAFEKTLKDLKLSYLDVYLHWPQGFKSGDDLFPKDDKGNAIGGKATFLD
AWEAMEELVDEGLVKALGVSNFSHFQIEKLLNKPLKYPVTNQVECHPYLTQEKLQYCHSKGITVTAY
SPLGSPDRPWAKPEDPSLLEDPKIKEIAAKHKKTAQVLIRFHIQRNVIVPKSVTPARIVENIQVDFDK
LSDEEMATILSFNRNWRACNVLQSSHLEDYPFDAEY

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	<u>NP_064695</u>
RefSeq Size:	1610
RefSeq ORF:	948
Synonyms:	AKR1B11; AKR1B12; ALDRLn; ARL-1; ARL1; HIS; HSI
Locus ID:	57016



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UniProt ID: [O60218](#)

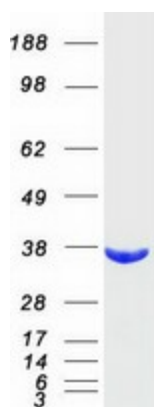
Cytogenetics: 7q33

Summary: This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member can efficiently reduce aliphatic and aromatic aldehydes, and it is less active on hexoses. It is highly expressed in adrenal gland, small intestine, and colon, and may play an important role in liver carcinogenesis. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Butanoate metabolism, Fructose and mannose metabolism, Linoleic acid metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified AKR1B10 protein (Cat# [TP303177]). The protein was produced from HEK293T cells transfected with AKR1B10 cDNA clone (Cat# [RC203177]) using MegaTran 2.0 (Cat# [TT210002]).