

## Product datasheet for PH306675

### AKR7A3 (NM\_012067) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	AKR7A3 MS Standard C13 and N15-labeled recombinant protein (NP_036199)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206675
Predicted MW:	37.2 kDa
Protein Sequence:	>RC206675 protein sequence Red=Cloning site Green=Tags(s)

MSRQLSRARPATVLGAMEMGRRMDAPTSAAVTRAFLEGRHTEIDTAFVYSEGQSETILGGLGLRLGGSDC  
RVKIDTKAIPLFGNSLKPDSLRFQLETSLKRLQCPRVDLFYLHMPDHSTPVEETLRACHQLHQEGKFMEL  
GLSNYAAWEVAEICTLCKSNGWILPTVYQGMYNAITRQVETELFPCLRHFGLRFYAFNPLAGLLTGKYK  
YEDKDGKQPVGRRFFGNTWAEMYRNRYWKEHHFEGFIAPVEKALQAAYGASAPSMTSATLRWMYHHSQLQGA  
HGDAVILGMSLEQLEQNLAEEGPLEPAVVDAFNQAWHLVAHECPNYFR

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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><a href="#">NP_036199</a></u>
RefSeq Size:	1301
RefSeq ORF:	993
Synonyms:	AFAR2
Locus ID:	22977



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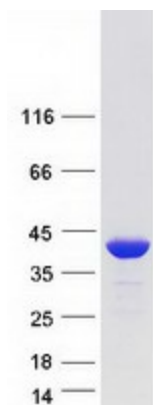
UniProt ID: [O95154](#), [A0A384MDN8](#)

Cytogenetics: 1p36.13

Summary: Aldo-keto reductases, such as AKR7A3, are involved in the detoxification of aldehydes and ketones.[supplied by OMIM, Apr 2004]

Protein Families: Druggable Genome

### Product images:



Coomassie blue staining of purified AKR7A3 protein (Cat# [TP306675]). The protein was produced from HEK293T cells transfected with AKR7A3 cDNA clone (Cat# [RC206675]) using MegaTran 2.0 (Cat# [TT210002]).