

## Product datasheet for PH301180

### DHRS3 (NM\_004753) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DHRS3 MS Standard C13 and N15-labeled recombinant protein (NP_004744)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201180
Predicted MW:	33.5 kDa
Protein Sequence:	>RC201180 protein sequence Red=Cloning site Green=Tags(s)
	MVWKRLGALVMFPLQMIYLVVKAAGVGLVLPKALRDL SRENVLITGGGRGIGRQLAREFAERGARKIVLWG RTEKCLKETTEEIRQMGTECHYFICDVGNREEVYQTAKAVREKVGDITILVNAAVHVKSLMDSDDAL LKSQHINTLGQFWTTKAF LPRMLELQNGHIVCLNSVLALSAIPGAIDYCTSKASAFAMESLTLGLLDCP GVSATTVLPFHTSTEMFQGMVRFPNLF PPLKPE TVARRTVEAVQLNQALLLPWTHALVILKSILPQA ALEEIHKFSGTYTCMNTFKGRT
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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:	<a href="#">NP_004744</a>
RefSeq Size:	1741
RefSeq ORF:	906
Synonyms:	DD83.1; RDH17; retSDR1; Rsd1; SDR1; SDR16C1
Locus ID:	9249



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UniProt ID: [O75911](#)

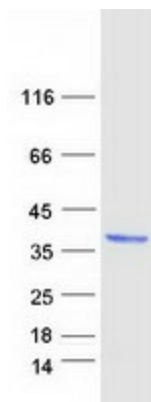
Cytogenetics: 1p36.21

Summary: Short-chain dehydrogenases/reductases (SDRs), such as DHRS3, catalyze the oxidation/reduction of a wide range of substrates, including retinoids and steroids (Haeseleer and Palczewski, 2000 [PubMed 10800688]).[supplied by OMIM, Jun 2009]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Metabolic pathways, Retinol metabolism

### Product images:



Coomassie blue staining of purified DHRS3 protein (Cat# [TP301180]). The protein was produced from HEK293T cells transfected with DHRS3 cDNA clone (Cat# [RC201180]) using MegaTran 2.0 (Cat# [TT210002]).