

## Product datasheet for PH313072

### ARSA (NM\_001085425) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ARSA MS Standard C13 and N15-labeled recombinant protein (NP_001078894)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213072
Predicted MW:	53.81 kDa
Protein Sequence:	>RC213072 representing NM_001085425 Red=Cloning site Green=Tags(s)

MSMGAPRSLLLALAAGLAVARPPNIVLIFADDLGYGDLGCYGHPSSTTPNLDQLAAGGLRFTDFYVPVSL  
CTPSRAALLTGRLPVRMGMYPGVLVPSSRGGLPLEEVTVAEVLAAARGYLTGMAGKWHLGVGPEGAFPPH  
QGFHRFLGIPYSHDQGPCQNLTCFPATPCDGGCDQGLVPIPLLANLSVEAQQPWLPGLEARYMAFAHDL  
MADAQRQDRPFFLYASHHTHPYQFSGQSFASGRGPFGDSLMELDAAVGTLMTAIGDLGELLEETLVIF  
TADNGPETMRMRGGCSGLLRCKGKTTYEGGVREPALAFWPGHIAPGVTHELASSLDLLPTLAALAGAPL  
PNVTLDFDLSPLLLGTGKSPRQSLFFYPSYPDEVRGVFAVRTGKYKAHFFTQGSAHSDTTADPACHASS  
SLTAHEPPLLIDLKDPGENYNLLGGVAGATPEVLQALKQLQLLKAQLDAAVTFGPSQVARGEDPALQIC  
CHPGCTPRPACCHCPDPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

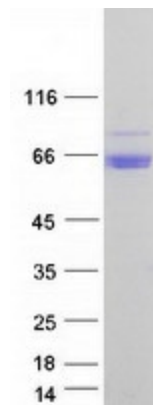
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</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:	<a href="#">NP_001078894</a>
RefSeq Size:	1966
RefSeq ORF:	1527



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Synonyms:	ASA; MLD
Locus ID:	410
UniProt ID:	<a href="#">P15289</a> , <a href="#">A0A0C4DFZ2</a>
Cytogenetics:	22q13.33
Summary:	The protein encoded by this gene hydrolyzes cerebroside sulfate to cerebroside and sulfate. Defects in this gene lead to metachromatic leucodystrophy (MLD), a progressive demyelination disease which results in a variety of neurological symptoms and ultimately death. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Dec 2010]
Protein Families:	Druggable Genome
Protein Pathways:	Lysosome, Sphingolipid metabolism

### Product images:



Coomassie blue staining of purified ARSA protein (Cat# [TP313072]). The protein was produced from HEK293T cells transfected with ARSA cDNA clone (Cat# [RC213072]) using MegaTran 2.0 (Cat# [TT210002]).