

## Product datasheet for TP313072

### ARSA (NM\_001085425) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens arylsulfatase A (ARSA), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213072 representing NM_001085425 Red=Cloning site Green=Tags(s)

MSMGAPRSLLLALAAGLAVARPPNIVLIFADDLGYGDLGCGYHPSSTTPNLDQLAAGGLRFTDFVVPVSL  
CTPSRAALLTGRLPVRMGMYPGVLPSSRGGLPLEEVTVAEVLARGYLTMAGKWHLGVGPEGAFPPH  
QGFHRFLGIPYSHDQGPCQNLTFCPPATPCDGGCDQGLVPIPLLANSVEAQPWPWPGLEARYMAFAHDL  
MADAQRQDRPFFLYYASHHHTYPQFSGQSFAERSGRGPFGLDLMELDAAVGTLMTAIGDLGLLEETLVIF  
TADNGPETMRMSRGGCSGLLRGKGTTYEGGVREPALAFWPGHIAPGVTHELASSDLLPTLAALAGAPL  
PNVTLDGFDLSPLLLGTGKSPRQSLFFYPSYPDEVRGVFAVRTGKYKAHFFTQGSAHSDTTADPACHASS  
SLTAHEPPLLYDLSKDPGENYNLLGGVAGATPEVLQALKQLLLKAQLDAAVTFGPSQVARGEDPALQIC  
CHPGCTPRPACCHCPDPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

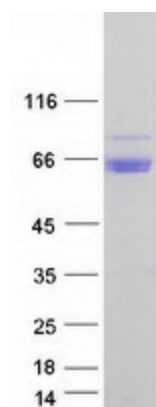
Tag:	C-Myc/DDK
Predicted MW:	51.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001078894</a>
<b>Locus ID:</b>	410
<b>UniProt ID:</b>	<a href="#">P15289</a> , <a href="#">A0A0C4DFZ2</a>
<b>RefSeq Size:</b>	1966
<b>Cytogenetics:</b>	22q13.33
<b>RefSeq ORF:</b>	1527
<b>Synonyms:</b>	ASA; MLD
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	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]).