

## Product datasheet for PH308916

### Methionine Sulfoxide Reductase A (MSRA) (NM\_012331) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MSRA MS Standard C13 and N15-labeled recombinant protein (NP_036463)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208916
Predicted MW:	26.1 kDa
Protein Sequence:	>RC208916 protein sequence Red=Cloning site Green=Tags(s)  <p>MLSATRRACQLLLLHSLFPVPRMGNSASNIIVSPQEALPGRKEQTPVAAKHHVNGNRTVEPFPEGTQMAVF  GMGCFWGAERKFWLKGVYSTQVGFAGGYTSNPTYKEVCSEKTGHAEVVVRVYQPEHMSFEELLKVFWEW  HDPTQGMRRQGNHGTQYRSIYPTSAKQMEALSSKENYQKVLSEHGFGPITTDIREGQTFYYAEDYHQQ  YLSKNPNGYCGLGGTGVSCPVGIKK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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_036463</a>
RefSeq Size:	1543
RefSeq ORF:	705
Synonyms:	PMSR
Locus ID:	4482
UniProt ID:	<a href="#">Q9UJ68</a>

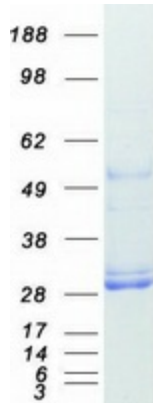


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Cytogenetics: 8p23.1

**Summary:** This gene encodes a ubiquitous and highly conserved protein that carries out the enzymatic reduction of methionine sulfoxide to methionine. Human and animal studies have shown the highest levels of expression in kidney and nervous tissue. The protein functions in the repair of oxidatively damaged proteins to restore biological activity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]

**Product images:**



Coomassie blue staining of purified MSRA protein (Cat# [TP308916]). The protein was produced from HEK293T cells transfected with MSRA cDNA clone (Cat# [RC208916]) using MegaTran 2.0 (Cat# [TT210002]).