

Recombinant Human MSRA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MSRA-4235H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MSRA MS Standard C13 and N15-labeled recombinant protein (NP_036463) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	26.1 kDa
AA Sequence	MLSATTRACQLLLLHSLFPVPRMGNSASNIVSPQEALPGRKEQTPVAAKHHVNGNR TVEPFPEGTQMAVFGMGCFWGAERKFWVLKGVYSTQVGFAGGYTSNPTYKEVCS EKTGHAEEVVRVYQPEHMSFEELLKVFWDHPTQGMRGNDHGTQYRSAIPTS AKQMEAAALSSKENYQKVLSEHGFGPITTDIREGQTFYYAEDYHQYLSKNPNGYCG LGGTGVSCPVGIKKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [MSRA methionine sulfoxide reductase A \[Homo sapiens \(human\) \]](#)

Official Symbol [MSRA](#)

Synonyms MSRA; methionine sulfoxide reductase A; mitochondrial peptide methionine sulfoxide reductase; peptide Met(O) reductase; peptide met (O) reductase; protein-methionine-S-oxide reductase; peptide methionine sulfoxide reductase; peptide-methionine (S)-S-oxide reductase; cytosolic methionine-S-sulfoxide reductase; PMSR;

Gene ID [4482](#)

mRNA Refseq [NM_012331](#)

Protein Refseq [NP_036463](#)

MIM [601250](#)

UniProt ID [Q9UJ68](#)

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SDS-PAGE

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