

Product datasheet for **RC208916**

Methionine Sulfoxide Reductase A (MSRA) (NM_012331) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Methionine Sulfoxide Reductase A (MSRA) (NM_012331) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Methionine Sulfoxide Reductase A
Synonyms:	PMSR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208916 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCTCGGCCACCCGGAGGGCTTGCCAGCTCCTCCTCCACAGCCTCTTTCCCGTCCCGAGGATGG
GCAACTCGGCCTCGAACATCGTCAGCCCCAGGAGGCCTTGCCGGGCCGGAAGGAACAGACCCCTGTAGC
GGCCAAACATCATGTCAATGGCAACAGAACAGTCGAACCTTTCCAGAGGGAACACAGATGGCTGTATTT
GGAATGGGATGTTTCTGGGGAGCTGAAAGGAAATTCTGGGTCTTGAAGGAGTGTATTCAACTCAAGTTG
GTTTTGCAGGAGGCTATACTTCAAATCCTACTTATAAAGAAGTCTGCTCAGAAAAAACTGGCCATGCAGA
AGTCGTCCGAGTGGTGTACCAGCCAGAACATGAGTTTTGAGGAACTGCTCAAGGTCTTCTGGGAGAAT
CACGACCCGACCAAGGTATGCGCCAGGGGAACGACCATGGCACTCAGTACCGCTCGGCCATCTACCCGA
CCTCTGCCAAGCAAATGGAGGCAGCCCTGAGCTCCAAAGAGAACTACCAAAGGTTCTTTCAGAGCACGG
CTTCGGCCCCATCACTACCGACATCCGGGAGGGACAGACTTTCTACTATGCGGAAGACTACCACCAGCAG
TACCTGAGCAAGAACCCCAATGGCTACTGCGCCCTTGGGGCACCGCGTGTCTGCCAGTGGGTATTA
AAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_012331.5](#)

RefSeq Size: 1543 bp

RefSeq ORF: 708 bp

Locus ID: 4482

UniProt ID: [Q9UJ68](#)

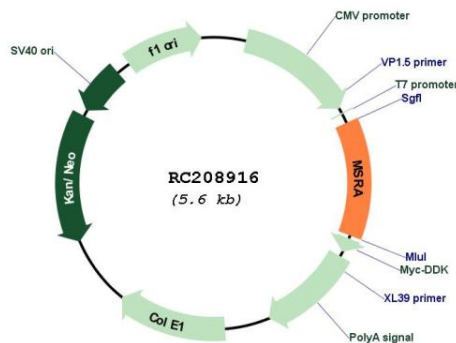
Cytogenetics: 8p23.1

Domains: PMSR

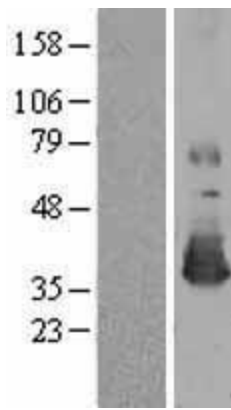
MW: 26.1 kDa

Gene 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]

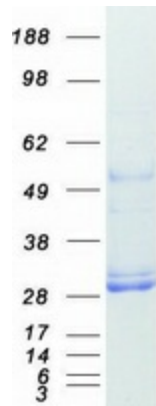
Product images:



Circular map for RC208916



Western blot validation of overexpression lysate (Cat# [LY415828]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208916 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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]).