



Recombinant Human Mitochondrial peptide methionine sulfoxide reductase (MSRA)

Product Code	CSB-MP883456HU
Abbreviation	MSRA
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q9UJ68
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	GNSASNI VSPQEALPGR KEQTPVAAKH HVNGNRTVEP FPEGTQMAVF GMGCFWGAER KFWVLKGVYS TQVGFAGGYT SNPTYKEVCS EKTGHAEVVR VVYQPEHMSF EELLKVFWEH HDPTQGMRQG NDHGTQYRSA IYPTSAKQME AALSSKENYQ KVLSEHGFGP ITTDIREGQT FYAEDYHQQ YLSKNPNGYC GLGGTGVSCP VGIIK
Source	Mammalian cell
Target Names	MSRA
Protein Names	Recommended name: Mitochondrial peptide methionine sulfoxide reductase EC= 1.8.4.11 Alternative name(s): Peptide-methionine (S)-S-oxide reductase Short name= Peptide Met(O) reductase Protein-methionine-S-oxide reductase Short
Expression Region	24-235
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is ubiquitous and highly conserved. It 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. Its proposed function is the repair of oxidative damage to proteins to restore biological activity. Three transcript variants encoding different isoforms have been found for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final



concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.