

Peptide methionine sulfoxide reductase A2-2 (MSRA2-2), Recombinant Protein

Cat RP13658

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species Oryza sativa subsp. japonica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. japonica Peptide methionine sulfoxide reductase A2-2 (MSRA2-2)

Product Gene Name

MSRA2-2 recombinant protein

Product Synonym Gene Name

MSRA2-2

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MSNDTGADGG AANPDLGPDA DAAAGEGLEL AQFAAGCFWS VELTYQRLPG VARTEVGFSQ GHHHEPTYDD
VCGQGTGHAE VVRVHYDPKA CPYGVLLDVF WAKHRPTTLI RQGDEAGTQY RSGIYYTYAE QERVARESLE
AKQEEWKEKI VTEILPARRF YPAEEYHQRY LEKGGQSAQK GCTDPIRRYG

Sequence Positions

1-190, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

21,127 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

Peptide methionine sulfoxide reductase

NCBI Accession

XP_015635092.1

NCBI GI

1002261465

NCBI GenBank Nucleotide

XM_015779606.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GeneID

107277650

NCBI Official Full Name

peptide methionine sulfoxide reductase A2-2

NCBI Official Symbol

LOC107277650

NCBI Official Synonym Symbols

MSRA2-2; OsMSRA2.2

NCBI Protein Information

peptide methionine sulfoxide reductase A2-2

UniProt Gene Name

MSRA2-2

UniProt Synonym Gene Names

OsMSRA2.2; Peptide Met(O) reductase

UniProt Protein Name

Peptide methionine sulfoxide reductase A2-2

UniProt Synonym Protein Names

Peptide-methionine (S)-S-oxide reductase; Peptide Met(O) reductase; Protein-methionine-S-oxide reductase

UniProt Primary Accession

Q7XUP6

UniProt Secondary Accession

A0A0P0WC05

UniProt Related Accession

Q7XUP6

UniProt Comments

Catalyzes the reduction of methionine sulfoxide (MetSO) to methionine in proteins. Plays a protective role against oxidative stress by restoring activity to proteins that have been inactivated by methionine oxidation. MSRA family specifically reduces the MetSO S-enantiomer .

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