

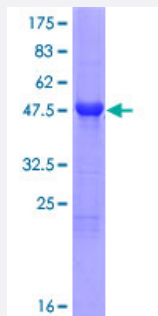
Full-Length

MSRA (Human) Recombinant Protein (P01)

Catalog # H00004482-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MSRA full-length ORF (NP_036463.1, 1 a.a. - 235 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLSATRRACQLLLLHSLFPVPRMGNSASNIVSPQEALPGRKEQTPVAAKHHVNGNRTVEPFPEG
TQMAVFGMGCFWGAERKFWVLKGVYSTQVGFAGGYTSNPTYKEVCSEKTGHAEEVVRVYQPE
HMSFEELLKVFWDHPTQGMRRQNDHGTQYRSANPTSAAQMEALSSKENYQKVLSEHGFG
PITTDIREGQTFYYAEDYHQQLSKNPNGYCGLGGTGVSCPVGKK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

52.5

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MSRA

Entrez GeneID [4482](#)

GeneBank Accession# [NM_012331.2](#)

Protein Accession# [NP_036463.1](#)

Gene Name MSRA

Gene Alias -

Gene Description methionine sulfoxide reductase A

Omim ID [601250](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations cytosolic methionine-S-sulfoxide reductase|peptide met (O) reductase

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)

- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Obesity](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)