

MSRB2, 21-182aa, Human, His tag, E.coli

Cat.NO.: TP03037

3th Edition

Synonyms: Methionine sulfoxide reductase B2, CBS-1, CBS1, CGI-131, MSRB, PILB

Description: MSRB2 is one of the methionine sulfoxide reductases (MSRs) family, the antioxidant repair enzymes. This protein catalyzes the reduction of free and protein-bound methionine sulfoxide to methionine. It may have a role in protecting against oxidative stress in many organs. Recombinant human MSRB2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form: Liquid. In 20 mM Tris-HCl Buffer (pH 7.5) containing 1 mM DTT, 0.1 mM PMSF, 10% Glycerol

Molecular Weight: 19.5 kDa(183a) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMVRGQAGGGPGTGPGLGEAGSLATCELPLAKSEWQKCLTPEQFYVTREKGT
PPFSGIYLNKEAGMYHCVCCDSPLFSSEKKYCSGTGWPSFSEAHGTSGSDESHTGILRRLDTSLSARTEVVCK
QCEAHLGHVFPDGPNGQRFCINSVALKFKPRKH

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.