

MSRB3, 21-185aa, Human, His tag, E.coli

Cat.NO.: TP03038

3th Edition

Synonyms:Methionine sulfoxide reductase B3

Description:Methionine sulfoxide reductase B3, also known as MSRB3, belongs to the methionine sulfoxide reductases (MSR) family proteins. MSRs are thought to protect against reactive oxygen species-induced oxidative damage in many organs, including the most environmentally exposed organ, human skin. MSRB3 plays an important role in cold tolerance by eliminating MetO and ROS that accumulate at the ER during cold acclimation.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1mM PMSF

Molecular Weight:19 kDa (174aa) confirmed by MALDI-TOF

Sequences:

MCGLPSGSCRDKKNCKVVFSQQELRKRLTPLQYHVTQEKGTESAFEGEYTHHKDPLGIYKCVVCGTPLFKSETKFD
SGSGWPSFHDVINSEAITFTDDFSYGMHRVETSCSQCGAHLGHIFDDGPRPTGKRYCINSAALSFTPADSSGTAEG
GSGVASPAQADKAELLEHHHHHH

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.