

AR09891PU-L**Human MSRB3 (21-185, His-tag) - Purified**

Alternate names:	Methionine-R-sulfoxide reductase B3, UNQ1965/PRO4487, mitochondrial
Quantity:	0.25 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	Q8IXL7
NCBI:	NP_001026849
GeneID:	253827
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1mM PMSF
Description:	Recombinant human MSRB3 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MCGLPSGSCR DKKNCKVVFS QQELRKRLTP LQYHVTQKEG TESAFEGEYT HHKDPGIYKC VVCGTPLFKS ETKFDSGSGW PSFHDVINSE AITFTDDFSY GMHRVETSCS QCGAHLGHIF DDGPRPTGKR YCINSAALSF TPADSSGTAE GGSGVASPAQ ADKAELEHH HHHH Molecular weight: kDa (174aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Taunqiaruwina WM., et al. (2009) Am J Dermatopathol. 31(5):427-31-7. Kwon SJ., et al. (2007) Plant Cell Physiol. 48(12):1713-23.

Pictures:

Recombinant human MSRB3, 21-185 aa,
His-tagged

