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32-2569: MSRB3 Recombinant Protein

Alternative Name : Methionine-R-sulfoxide reductase B3,MSRB3,DFNB74,FLJ36866,DKFZp686C1178.

Description

Source : Escherichia Coli. MSRB3 Human Recombinant fused with an 8 amino acid His tag at C-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 174 amino acids (21-185 a.a.) and having a molecular mass of 19kDa. The MSRB3 is purified by proprietary chromatographic techniques. Methionine sulfoxide reductase B3 (MSRB3) is a member of the methionine sulfoxide reductases (MSR) family proteins. MSRB3 catalyzes the reduction of methionine sulfoxide to methionine. The MSRB3 enzyme acts as a monomer and requires zinc as a cofactor. MSRs are thought to defend against reactive oxygen species-induced oxidative damage in various organs, including the most environmentally exposed organ, the human skin. MSRB3 has a vital role in cold tolerance by eliminating MetO and ROS which accumulate at the ER during cold acclimation.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The MSRB3 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1mM PMSF.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MCGLPSGSCR DKKNCKVVFS QQELRKRLTP LQYHVTQEKG TESAFEGEYT HHKDPGIYKC VVCGTPLFKS ETKFDSGSGW PSFHDVINSE AITFTDDFSY GMHRVETSCS QCGAHLGHIF DDGPRPTGKR YCINSAALSF TPADSSGTAE GGSGVASPAQ ADKAELLEHH HHHH.

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