www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

MSRB E.Coli

Catalog #:ENPS-131

For research use only.

Description:MSRB produced in E.Coli is a single, non-glycosylated polypeptide chain containing 157 amino acids (1-137 a.a.) and having a molecular mass of 17.6kDa.MSRB is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms: Peptide methionine sulfoxide reductase MsrB, Peptide-methionine (R)-S-oxide reductase, msrB, yeaA, b1778, JW1767.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MANKPSAEEL KKNLSEMQFY VTQNHGTEPP FTGRLLHNKR DGVYHCLICD APLFHSQTKY DSGCGWPSFY EPVSEESIRY IKDLSHGMQR IEIRCGNCDA HLGHVFPDGP QPTGERYCVN SASLRFTDGE NGEEING.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
MSRB protein solution (1mg/ml) 20mM Tris-HCl buffer (pH8.0), 20% glycerol 0.1M NaCl and 1mM DTT.

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
Methionine sulfoxide reductase B (MsrB) from Escherichia coli is a member of the msrB Met sulfoxide reductase family. The E.coli msrB carries out the reduction of methionine-R-sulfoxide to methionine. msrB possess a metal binding site composed of 2 CXXC motifs. The bound metal (zinc or iron) may stabilize the conformation of the enzymes.

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