
Product Data Sheet

Product Name: MSRB2 Human
 Cat. No.: GP21958
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CBS-1; PILB; Pilin-like Transcription Factor; MSRB; CGI-131; Mmethionine Sulfoxide Reductase B2; Methionine-R-Sulfoxide Reductase B2 Mitochondrial; MGC26104; MsrB2. EC 1.8.4.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MVRGQAGGGG PGTGPGLGEA GSLATCELPL AKSEWQKKLT PEQFYVTREK GTEPPFSGIY LNNKEAGMYH CVCCDSPLFS SEKKYCSGTG WPSFSEAHGT SGSDESHTGI LRRLDTSLS ARTEVVCKQC EAHLGHVFPD GPGPNGQRFC INSVALKFKP RKH		
Formulation	The MSRB2 protein solution (1mg/1ml) is formulated in In 20 mM Tris-HCl Buffer (pH 7.5), 1 mM DTT, 0.1 mM PMSF and 10% Glycerol.		

Introduction

MSRB2 is a member of the methionine sulfoxide reductases(MSRs) family which are antioxidant repair enzymes. MSRB2 protein catalyzes the decrease of free and protein-bound methionine sulfoxide to methionine. MSRB2 has a part in protecting against oxidative stress in numerous organs.

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.Please avoid freeze thaw cycles.

Background

MSRB2 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 183 amino acids (21-182a.a.) and having a molecular mass of 19.5kDa.MSRB2 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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