
Product Data Sheet

Product Name: SUOX Human

Cat. No.: GP22274

Batch No.: 1

Product Data

Purity >98%

Source E.coli.

Physical
Appearance solidShipping
Condition Shipped with Ice Packs.

Synonyms Sulfite Oxidase; EC 1.8.3.1; Sulfite oxidase;mitochondrial.

Amino Acid
Sequence

MGSSHHHHH SGLVPRGSH MGSESTHIYT KEEVSSHTSP ETGIWVTLGS
 EVFDVTEFVD LHPGGPSKMLAAGGPPEPF WALYAVHNQS HVRELLAQYK
 IGELNPEDKV APTVETSDPY ADDPVRHPAL KVNSQRPFNAEPPPELLTEN
 YITPNPIFFT RNHLPVFNLD PDTYRLHVVG APGGQSLSL LDDLHNFPRY
 EITVTLQCAGNRRSEMTQVK EVKGLEWRTG AISTARWAGA RLCDVLAQAG
 HQLCETEAHV CFEGLDSDPT GTAYGASIP LARAMDPEAEV LLAYEMNGQP
 LPRDHGFPVR VVPGVVGAR HVKWLGRVSV QPEESYSHWQ
 RRDYKGFSPSVDWETVDFDS APSIQELPVQ SAITEPRDGE TVESGEVTIK
 GYAWSGGGRA VIRVDVSLDG GLTWQVAKLDGEEQRPRKAW AWRLWQLKAP
 VPAGQKELNI VCKAVDDGYN VQPDTVAPIW NLRGVLSNAW HRVHVYVSP.

Formulation SUOX protein solution (1mg/ml) containing Phosphatebuffered saline (pH7.4), 30% glycerol and 1mM DTT.

Introduction

Sulfite oxidase, also known as SUOX is a homodimeric protein localized to the intermembrane space of mitochondria. Each subunit includes a heme domain as well as a molybdopterin-binding domain. The SUOX enzyme catalyzes the oxidation of sulfite to sulfate, the last reaction in the oxidative degradation of the sulfur amino acids cysteine and methionine. In addition, the deficiency of SUOX results in neurological abnormalities which are often fatal at an early age.

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%

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

SUOX Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 489 amino acids (80-545 a.a) and having a molecular mass of 53.9kDa. SUOX is fused to a 23 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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA