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Product datasheet for AR51842PU-N

SUOX (80-545, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	SUOX (80-545, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSESTHIYT KEEVSSHTSP ETGIWVTLGS EVFDVTEFVD LHPGGPSKLM LAAGGPLEPF WALYAVHNQS HVRELLAQYK IGELNPEDKV APTVETSDPY ADDPVRHPAL KVNSQRPFNA EPPPELLTEN YITPNPIFFT RNHLPVPNLD PDTYRLHVVG APGGQSLSLS LDDLHNFPRY EITVTLQCAG NRRSEMTQVK EVKGLEWRTG AISTARWAGA RLCDVLAQAG HQLCETEAHV CFEGLDSDPT GTAYGASIPL ARAMDPEAEV LLAYEMNGQP LPRDHGFPVR VVVPGVVGAR HVKWLGRVSV QPEESYSHWQ RRDYKGFSPS VDWETVDFDS APSIQELPVQ SAITEPRDGE TVESGEVTIK GYAWSGGGRA VIRVDVSLDG GLTWQVAKLD GEEQRPRKAW AWRLWQLKAP VPAGQKELNI VCKAVDDGYN VQPDTVAPIW NLRGVLSNAW HRVHVYVSP
Tag:	His-tag
Predicted MW:	53.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In Phosphate buffered saline (pH 7.4) containing 30% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SuOX protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000447
Locus ID:	6821

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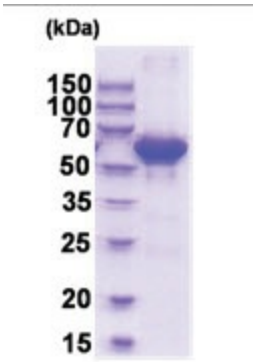
UniProt ID:	P51687
Cytogenetics:	12q13.2
Synonyms:	Sulfite oxidase mitochondrial
Summary:	Sulfite oxidase is a homodimeric protein localized to the intermembrane space of mitochondria. Each subunit contains a heme domain and a molybdopterin-binding domain. The enzyme catalyzes the oxidation of sulfite to sulfate, the final reaction in the oxidative degradation of the sulfur amino acids cysteine and methionine. Sulfite oxidase deficiency results in neurological abnormalities which are often fatal at an early age. Alternative splicing results in multiple transcript variants encoding identical proteins. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Sulfur metabolism

Product images:



15% SDS-PAGE (3ug)