Recombinant Human Surfeit 1, His tagged

Cat. No. SURF1-1830H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SURF1 protein was expressed in*E.coli*and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	SURF1, also known as surfeit 1, is a member of the SURF1 family, which includes the related yeast protein SHY1 and rickettsial protein RP733. This protein is localized to the inner mitochondrial membrane and thought to be involved in the biogenesis of the cytochrome c oxidase complex. Defect in SURF1 is a cause of Leigh syndrome, a severe neurological disorder that is commonly associated with systemic cytochrome c oxidase deficiency.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MQVQRRKWKL NLIAELESRV LAEPVPLPAD PMELKNLEYR PVKVRGCFDH SKELYMMPRT MVDPVREARE GGLISSSTQS GAYVVTPFHC TDLGVTILVN RGFVPRKKVN PETRQKGQIE GEVDLIGMVR LTETRQPFVP ENNPERNHWH YRDLEAMARI TGAEPIFIDA NFQSTVPGGP IGGQTRVTLR NEHLQ
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 1mM DTT, 0.1 M NaCl.
Molecular Weight	24.3 kDa (215aa)

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Purity	> 95% by SDS – PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	SURF1 surfeit 1 [Homo sapiens]
Synonyms	SURF1; Surfeit 1; surfeit locus protein 1.
Gene ID	6834
mRNA Refseq	NM_003172
Protein Refseq	NP_003163
MIM	185620
UniProt ID	Q15526
Chromosome Location	9q34.2
Function	cytochrome-c oxidase activity

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