

Recombinant Human SURF1, His-tagged

Cat. No. SURF1-31483TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human SURF1 fused to a 20 amino acid His Tag at N-terminus, 24.3kDa.
Species	Human
Source	E.coli
ProteinLength	194 amino acids
Description	This gene encodes a protein localized to the inner mitochondrial membrane and thought to be involved in the biogenesis of the cytochrome c oxidase complex. The protein is a member of the SURF1 family, which includes the related yeast protein SHY1 and rickettsial protein RP733. The gene is located in the surfeit gene cluster, a group of very tightly linked genes that do not share sequence similarity, where it shares a bidirectional promoter with SURF2 on the opposite strand. Defects in this gene are a cause of Leigh syndrome, a severe neurological disorder that is commonly associated with systemic cytochrome c oxidase deficiency.
Conjugation	HIS
Molecular Weight	24.300kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	Constituents:0.32% Tris HCl, 0.58% Sodium chloride, 0.02% DTT, 20% Glycerol
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MQVQRRKWKL NLIAELESRV LAEPVPLPAD PMELKNLEYR PVKVRGCFDH SKELYMMPRT MVDPVREARE GGLISSSTQS GAYVVTPEHC TDLGVTILVN RGFVPRKKVN PETRQKGQIE GEVDLIGMVR LTETRPFPVP ENNPERNHWH YRDLEAMARI TGAEPFIDA NFQSTVPGGP IGGQTRVTLR NEHLQ
Sequence Similarities	Belongs to the SURF1 family.

GENE INFORMATION

Gene Name	SURF1 surfeit 1 [Homo sapiens]
Official Symbol	SURF1
Synonyms	SURF1; surfeit 1; surfeit locus protein 1;
Gene ID	6834
mRNA Refseq	NM_003172
Protein Refseq	NP_003163
MIM	185620
Uniprot ID	Q15526

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Chromosome Location	9q33-q34
Pathway	Electron Transport Chain, organism-specific biosystem;
Function	cytochrome-c oxidase activity;

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