9051 Mira Mesa Blvd, #910094
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SURF1 Human

Surfeit-1 Human Recombinant
RCP2297

Product Overview

Name	SURF1 Human
Description	
Surfeit-1 Human Recombinant	
Accession (Primary)	Q15526
Synonyms	
SURF1, SURF-1, Surfeit locus protein 1, Surfeit 1.	
Introduction	
SURF1 plays a role in the biogenesis of the COX complex. SURF1 is found in the inner mitochondrial membrane and takes part in the biogenesis of the cytochrome c oxidase complex. SURF1 is shares a bidirectional promoter with SURF2 on the opposite strand. Defects in this SURF1 cause Leigh syndrome, a rigorous neurological disorder that is generally associated with systemic cytochrome c oxidase deficiency.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The Surfeit-1 solution contains 20 mM Tris-HCl buffer (pH 8.0), 0.1M Nacl, 1mM DTT and 20% glycerol.	
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% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MQVQRRKWKL NLIAELESRV LAEPVPLPAD PMELKNLEYR PVKVRGCFDH SKELYMMPRT MVDPVREARE GGLISSSTQS GAYVVTPFHC TDLGVTILVN RGFVPRKKVN PETRQKGQIE GEVDLIGMVR LTETRQPFVP ENNPERNHWH YRDLEAMARI TGAEPIFIDA NFQSTVPGGP IGGQTRVTLR NEHLQ.	
Precautions	
SURF1 Human is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (Q15526)