

## 32-5011: Recombinant Human Surfeit-1

**Alternative Name :** SURF1,SURF-1,Surfeit locus protein 1,Surfeit 1.

### Description

Source : Escherichia Coli. Surfeit-1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 215 amino acids (80-273 a.a.) and having a molecular mass of 24.3 kDa. The Surfeit-1 is fused to a 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques. 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.

### Product Info

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|----------------------------|--|
| <b>Amount :</b>            | 25 µg  |
| <b>Purification :</b>      | Greater than 95.0% as determined by SDS-PAGE.  |
| <b>Content :</b>           | The Surfeit-1 solution contains 20 mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT and 20% glycerol.   |
| <b>Storage condition :</b> | Surfeit-1 although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.   |
| <b>Amino Acid :</b>        | MGSSHHHHHH SSSLVPRGSH MQVQRRKWKL NLIAELESRV LAEPVPLPAD PMELKNLEYR<br>PVKVRGCFDH SKELYMPRT MVDPVREARE GGLISSSTQS GAYVVTPFHC TDLGVTILVN RGFVPRKKVN<br>PETRQKGQIE GEVDLIGMVR LTETRQPFVP ENNPERNHWH YRDLEAMARI TGAEPFIDA NFQSTVPGGP<br>IGGQTRVTLR NEHLQ. |

