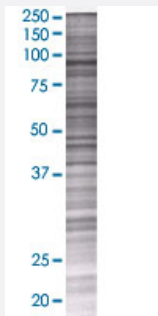


SURF1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00006834-T01

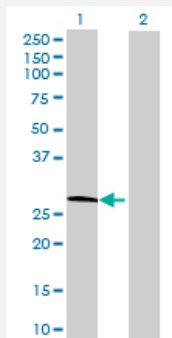
Size 100 uL

Applications



SDS-PAGE Gel

SURF1 transfected lysate.



Western Blot

Lane 1: SURF1 transfected lysate (33.11 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-SURF1 full-length
Host	Human
Theoretical MW (kDa)	33.11
Interspecies Antigen Sequence	Mouse (78); Rat (76)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-SURF1 antibody ([H00006834-B01](#)) by Western Blots.
SDS-PAGE Gel
SURF1 transfected lysate.
Western Blot
Lane 1: SURF1 transfected lysate (33.11 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — SURF1

Entrez GeneID[6834](#)**GeneBank Accession#**[NM_003172.2](#)**Protein Accession#**[NP_003163.1](#)**Gene Name**

SURF1

Gene Alias

-

Gene Description

surfeit 1

Omim ID[185620 256000](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

OTTHUMP00000022473|surfeit locus protein 1

Disease

- [Cardiovascular Diseases](#)
- [Crohn Disease](#)
- [Cytochrome-c Oxidase Deficiency](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Leigh Disease](#)
- [Leigh syndrome](#)