NKMAXBio We support you, we believe in your research

Recombinant human SURF1 protein

Catalog Number: ATGP0451

PRODUCT INFORMATION

Expression system
E.coli

Domain
80-273aa

UniProt No.
Q15526

NCBI Accession No.
NP_003163

Alternative Names
Surfeit 1, Surfeit 1 SuRF 1, SuRF1, Surfeit locus protein 1, SURF1 cytochrome c oxidase assembly factor, SHY1

PRODUCT SPECIFICATION

Molecular Weight
24.3 kDa (215aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1 M NaCl.

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant SuRF1 protein was expressed in E. coli and purified by using conventional chromatography techniques.

Recombinant human SURF1 protein

Catalog Number: ATGP0451

Amino acid Sequence

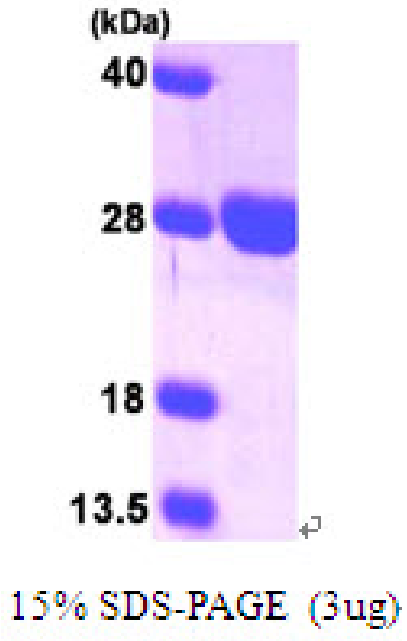
MGSSHHHHHH SSGLVPRGSH MQVQRRKWKL NLIAELESRV LAEPVPLPAD PMELKNLEYR PVKVRGCFDH SKELYMMPRT MVDPVREARE GGLISSSTQS GAYVVTPFHC TDLGVTILVN RGFVPRKKVN PETRQKGQIE GEVDLIGMVR LTETRQPFVP ENNPERNHWH YRDLEAMARI TGAEPIFIDA NFQSTVPGGP IGGQTRVTLR NEHLQ

General References

Pequignot MO., et al. (2001) Hum Mutat. 17(5):374-81.
Zhu Z., et al. (1998) Nat Genet. 20(4):337-43.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.