

Recombinant human TSEN15 protein

Catalog Number: ATGP1072

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-171aa

UniProt No.

Q8WW01

NCBI Accession No.

NP_443197

Alternative Names

tRNA-splicing endonuclease subunit Sen15, sen15, C1orf19

PRODUCT SPECIFICATION

Molecular Weight

20.9 kDa (191aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 200mM NaCl

Purity

> 90% 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

TSEN15 (tRNA-splicing endonuclease subunit Sen15) belongs to the SEN15 family. tRNA splicing is a fundamental process required for cell growth and division. SEN15 is a subunit of the tRNA splicing endonuclease. It cleaves pre-tRNA at the 5' and 3' splice sites to release the intron. Recombinant human TSEN15 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MEERGDSEPT PGCSGLGPDG VRGFGDGGGA PSWAPEDAWM GTHPKYLEMM

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ELDIGDATHV YVAFLVYLDL MESKSWHEVN CVGLPELQLI CLVGTEIEGE GLQTVVPTPI TASLSHNRIR EILKASRKLO
GPDLPMSFT LAIVESDSTI VYYKLTDGFM LPDPQNISLR R

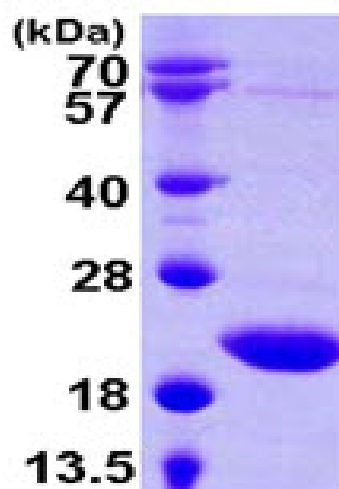
General References

Song J, et al. (2007) J Mol Biol 366 (1): 155-64.

Paushkin, et al. (2004) Cell 117 (3): 311-21.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)