

Recombinant human RPN2 protein

Catalog Number: ATGP1900

PRODUCT INFORMATION

Expression system

E.coli

Domain

23-540aa

UniProt No.

P04844

NCBI Accession No.

NP_002942

Alternative Names

Ribophorin II, SWP1, RPNII, RIBIIR, RPN-II

PRODUCT SPECIFICATION

Molecular Weight

59.2 kDa (539aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M 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

RPN2, also known as ribophorin 2, is a dolichyl-diphosphooligosaccharide protein glycosyltransferase subunit 2. This protein is part of an N-oligosaccharyl transferase complex that links high mannose oligosaccharides to asparagine residues found in the Asn-X-Ser/Thr consensus motif of nascent polypeptide chains. It is similar in sequence to the yeast oligosaccharyl transferase subunit SWP1. Recombinant human RPN2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MLTPTHYLTK HDVERLKASL DRPFTNLESA FYSIVGLSSL GAQVPDAKKA CTYIRSNLDP
SNVDSLIFYAA QASQALSGCE ISISNETKDL LLAAVSEDSS VTQIYHAVAA LSGFGLPLAS QEALSALTAR LSKEETVLAT
VQALQTASHL SQQADLRIV EEIEDLVARL DELGGVYLQF EEGLETTALF VAATYKLMDH VGTEPSIKED QVIQLMNAIF
SKKNFESLSE AFSVASAAAV LSHNRYHVPV VVVPEGSASD THEQAILRLQ VTNVLSQPLT QATVKLEHAK SVASRATVLQ
KTSFTPVGDV FELNFMNVKF SSGYYDFLVE VEGDNRYIAN TVELRVKIST EVGITNVVLS TVDKDQSIAP KTTRVTYPAK
AKGTFIADSH QNFALFFQLV DVNTGAELTP HQTFVRLHNQ KTGQEVVFA EPDNKNVYKF ELDTSERKIE FDSASGTYTL
YLIIGDATLK NPILWNVADV VIKFPEEEAP STVLSQNLFT PKQEIQHLFR EPEKRPPTV

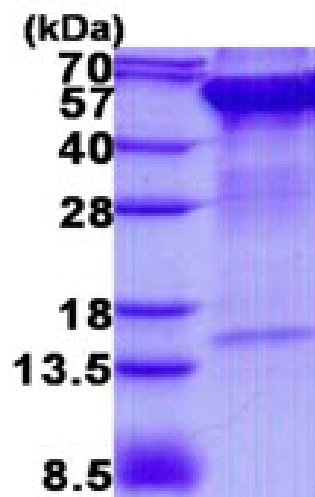
General References

Skarnes WC. et al. (2011) Nature. 474:337-342.

Stoffel M. et al. (1992) Hum Mol Genet. 1:656.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)