

**RPN2, 23-540aa, Human, His tag, E.coli**

**Cat.NO.: TP03782**

3th Edition

**Synonyms:**Ribophorin II, SWP1, RPNII, RIBIIR, RPN-II

**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.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

**Molecular Weight:**59.2kDa (539aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMLTPTHYLTKHDVERLKASLDRPFTNLESAFYISIVGLSSLGAQVPDAKKACTYIRS  
NLDPSNVDSLFLYAAQASQALSGCEISISNETKDLLLAIVEDSSVTQIYHAVAALSGFGLPLASQEALSALTARLSKE  
ETVLATVQALQTASHLSQQADLRSIVEEIEDLVARLDELGGVYLQFEEGLETTALFVAATYKLMHDHVGTEPSIKEDQV  
IQLMNAIFSKKNFESLSEAFSVASAAAVLSHNRYHVPVVVVPEGSASDTHEQAILRLQVTNVLSQPLTQATVKLEHAK  
SVASRATVLQKTSFTPVGDVFELNFMNVKFSSGYYDFLVEVEGDNRYIANTVELRVKISTEVGITNVDLSTVDKQSI  
APKTRVTYPAKAKGTFIADSHQNFALFFQLVDVNTGAELTPHQTFVRLHNQKTGQEVVFAEPDNKNVYKFELDT  
SERKIEFDSASGTYTLYLIIGDATLKNPILWNVADVVIKFPEEEAPSTVLSQNLFTPQEIQHILFREPEKRPPTV

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.