
Product Data Sheet

Product Name: RPN2 Human
 Cat. No.: GP22233
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2; Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 63 kDa subunit; RIBIIR; Ribophorin II; RPN-II; Ribophorin-2; RPN2; SWP1; RPNII.		
Amino Acid Sequence	<p>MGSSHHHHHH SGLVPRGSH MLTPHYLTK HDVERLKASL DRPFTNLESA FYSIVGLSSL GAQVPDAKKA CTYIRSNLDP SNVDSLFIYAA QASQALSGCE ISISNETKDL LLAAVSEDSS VTQIYHAVAA LSGFGLPLAS QEALSALTAR LSKEETVLAT VQALQTASHL SQQADLR SIVEEIEDLVARL DELGGVYLQF EEGLETTALF VAATYKLM DH VGTEPSIKED QVIQLMNAIF SKKNFESLSE AFSVASAAAV LSHNRYHVPV VVVEPGSASD THEQAILRLQ VTNVLSQPLT QATVKLEHAK SVASRATVLQ KTSFTPVG DV FELNFMNVKF SSGYYDFLVE VEGDNRYIANTVELRVKIST EVGITNVDLS TVDKDQSIAP KTTRVTYPAK AKGTFIADSH QNFALFFQLV DVNTGAELTP HQTFVRLHNQ KTGQEVVFVA EPDNKNVYKF ELDTSERKIE FDSASGTYTL YLIIGDATLK NPILWNVADV VIKFPEEEAP STVLSQNLFT PKQEIQH LFR EPEKRPPTV.</p>		
Formulation	The RPN2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.		

Introduction

Ribophorin 2 (RPN2) is a dolichyl-diphosphooligosaccharide protein glycosyltransferase subunit 2. The Ribophorin 2 protein is part of an N-oligosaccharyl transferase complex which links high mannose oligosaccharides to asparagine residues found in the Asn-X-Ser/Thr consensus motif of nascent polypeptide chains. RPN2 is analogous in sequence to the yeast oligosaccharyl transferase subunit SWP1.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

RPN2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 539 amino acids (23-540) and having a molecular mass of 59.2kDa. RPN2 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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