

Product datasheet for PH305852

Ribophorin II (RPN2) (NM_002951) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RPN2 MS Standard C13 and N15-labeled recombinant protein (NP_002942)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205852
Predicted MW:	69.3 kDa
Protein Sequence:	>RC205852 protein sequence Red=Cloning site Green=Tags(s)

MAPPGSSTVFLALTIIASTWALTPHYLTKHDVERLKASLDRPFTNLESAFYISIVGLSSLGAQVPDAKK
ACTYIRSNLDPSNVDSL FYAAQASQALSGCEISISNETKDLLLAAYSEDSVVTQIYHAVAALSGFGLPLA
SQEALSALTARLSKEETVLATVQALQTASHLSQQADLRSIVEEIEDLVARLDELGGVYLQFEEGLETTAL
FVAATYKLMDHVGTPEPSIKEDQVIQLMNAIFS KKNFESLSEAFSVASAAAVLSHNRYHVPVVVVPEGSAS
DTHEQAILRLQVTNVL SQPLTQATVKLEHAKSVASRATVLQKTSFTPVGDVFELNFMNVKFSSGYDFLV
EVEGDNRYIANTVELRVKISTEVGITNVDLSTVDKQSIAPKTRVTPYAKAKGTFIADSHQNFALFFQL
VDVNTGAELTPHQTFVRLHNQKTGQEVVFAEPDNKNVYKFELDTSERKIEFDSASGTYTLYLIIIGDATL
KNPILWNVADVVIKFP EEEAPSTVLSQNLFTPQKEIQHLFREPEKRPPTVVSNTFTALILSPLLLL FALW
IRIGANVSNFTFAPSTIIFHLGHAAMLGLMYVYWTQLNMFQTLKYLAILGSVTF LAGNRMLAQQAVKRTA
H

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002942
RefSeq Size:	2538



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RefSeq ORF: 1893

Synonyms: RIBIIR; RPN-II; RPNII; SWP1

Locus ID: 6185

UniProt ID: [P04844](#)

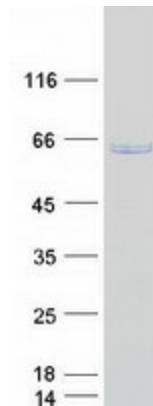
Cytogenetics: 20q11.23

Summary: This gene encodes a type I integral membrane protein found only in the rough endoplasmic reticulum. The encoded 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. This protein is similar in sequence to the yeast oligosaccharyl transferase subunit SWP1. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]

Protein Families: Transmembrane

Protein Pathways: Metabolic pathways, N-Glycan biosynthesis

Product images:



Coomassie blue staining of purified RPN2 protein (Cat# [TP305852]). The protein was produced from HEK293T cells transfected with RPN2 cDNA clone (Cat# [RC205852]) using MegaTran 2.0 (Cat# [TT210002]).