

## Product datasheet for PH310572

### SEC23B (NM\_032985) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SEC23B MS Standard C13 and N15-labeled recombinant protein (NP_116780)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210572
Predicted MW:	86.5 kDa
Protein Sequence:	>RC210572 protein sequence Red=Cloning site Green=Tags(s)

MATYLEFIQQNEERDGVRFSWNVWPSSRLEATRMVPLACLLTPLKERPDLPPVQYEPVLCSRPTCKAVL  
NPLCQVDYRAKLWACNFCFQRNQFPAYGGISEVNQPAELMPQFSTIEYVIQRGAQSPLIFLYVVDTCLE  
EDDLQALKESLQMSLSLLPPDALVGLITFGRMVQVHELSCGISKSYVFRGTDKLTAKQIQDMLGLTKPA  
MPMQQARPAQPQEHPFASSRFLQPVHKIDMNLTDLLGELQRDPWPVTQGKRPLRSTGVALSIAVGLLEGT  
FPNTGARIMLFTGGPPTQGGPMVVGDELKIPISWHDIEKDNARFMKKATKHYEMLANRTAANGHCIDIY  
ACALDQTGLLEMKCCANLTGGYVMGDSFNLSLFKQTFQRIFTKDFNGDFRMAFGATLDVKTSLRELKIA  
AIGPCVSLNVKGLCVSENELGVGGTSQWKICGLDPTSTLGIYFEVVNQHNTPIPQGGRAIQFVTHYQHS  
STQRRIRVTTIARNWADVQSQLRHIEAAFDQEA-AAVLMARLGVFRAESEEGPDVLRWLDRLIRLQCKFG  
QYNKEDPTSFRLSDSFSLYPQFMFHLRRSPFLQVFNNSPDESSYRHHFARQDLTQSLIMIPILYSYSF  
HGPPPEVLLDSSSILADRILLMDTFFQIVIYLGETIAQWRKAGYQDMPEYENFKHLLQAPLDDAQEILQA  
RFPMPRYINTEHGGSQARFLLSKVNPSQTHNNLYAWGQETGAPILTDDVSLQVFMHLLKLAIVSSAC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<u><a href="#">NP_116780</a></u>



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RefSeq Size:	3447
RefSeq ORF:	2301
Synonyms:	CDA-II; CDAIL; CDAN2; CWS7; HEMPAS; hSec23B
Locus ID:	10483
UniProt ID:	<a href="#">Q15437</a>
Cytogenetics:	20p11.23

**Summary:** The protein encoded by this gene is a member of the SEC23 subfamily of the SEC23/SEC24 family, which is involved in vesicle trafficking. The encoded protein has similarity to yeast Sec23p component of COPII. COPII is the coat protein complex responsible for vesicle budding from the ER. The function of this gene product has been implicated in cargo selection and concentration. Multiple alternatively spliced transcript variants have been identified in this gene. [provided by RefSeq, Feb 2010]

### Product images:



Coomassie blue staining of purified SEC23B protein (Cat# [TP310572]). The protein was produced from HEK293T cells transfected with SEC23B cDNA clone (Cat# [RC210572]) using MegaTran 2.0 (Cat# [TT210002]).