

## Product datasheet for PH322329

### EXOC7 (NM\_015219) Human Mass Spec Standard

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Mass Spec Standards   |
| Description:                          | EXOC7 MS Standard C13 and N15-labeled recombinant protein (NP_056034) |
| Species:                              | Human   |
| Expression Host:                      | HEK293  |
| Expression cDNA Clone or AA Sequence: | RC222329  |
| Predicted MW:                         | 74.5 kDa  |
| Protein Sequence:                     | >RC222329 representing NM_015219<br>Red=Cloning site Green=Tags(s)    |

MIPPQEASARRREIEDKCLKQEEETLSFIRDSLEKSDQLTKNMVSISSSFESRLMKLENSIIPVHKQTENL  
QRLQENVEKTLSCLDHVISYYHVASDTEKIIREGPTGRLEEYLGSMAKIQKAVEYFQDNPSPELNKVK  
LLFERGKEALESEFRSLMTRHSKVVSPLILDLSGDDLEAQEDVTLLEHLPESVLQDVIRISRWLVEYG  
RNQDFMNVYQIRSSQLDRSIKGLKEHFHKSSSSSGVPYSPAIPNKRKDTPTKKPVKRPGRDDMLDVETD  
AYIHCVSFAVKLAQSEYQLLADIPEHHQKKTFDLSIQDALDGLMLEGENIVSAARKAIVRHDFSTVLT  
FPILRHLKQTKPEFDQVLQGTAASTKNKLPGLITSMETIGAKALEDFADNIKNDPDKKEYNMPKDGTVHEL  
TSNAILFLQQLDFQETAGAMLASQETSSSATSYSSEFSKRLSTYICKVLGNLQNLNLLSKSKVYEDPAL  
SAIFLHNNYNYILKSLEKSELIQLVAVTQKTAERSYREHIEQQIQTYQRSWLKVTDYIAEKNLPVFPQGV  
KLRDKERQIIKERFKGFNDGLEELCKIQKAWAIPDTEQRDRIRQAQKTIVKETYGAFLQKFGSVPFTKNP  
EKYIKYGYEQVGMIDRLFD TSA

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:          | <a href="#">NP_056034</a>  |
| RefSeq Size:     | 4687   |



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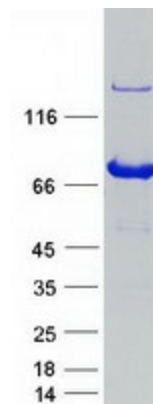
|               |  |
|---------------|--|
| RefSeq ORF:   | 1959   |
| Synonyms:     | 2-5-3p; BLOM4; EX070; EXO70; Exo70p; EXOC1; NEDSEBA; YJL085W               |
| Locus ID:     | 23265  |
| UniProt ID:   | <a href="#">Q9UPT5</a> , <a href="#">Q63HP7</a> , <a href="#">Q9UPT5-2</a> |
| Cytogenetics: | 17q25.1  |

**Summary:** The protein encoded by this gene is a component of the exocyst complex. The exocyst complex plays a critical role in vesicular trafficking and the secretory pathway by targeting post-Golgi vesicles to the plasma membrane. The encoded protein is required for assembly of the exocyst complex and docking of the complex to the plasma membrane. The encoded protein may also play a role in pre-mRNA splicing through interactions with pre-mRNA-processing factor 19. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 4. [provided by RefSeq, Nov 2011]

**Protein Families:** Druggable Genome

**Protein Pathways:** Insulin signaling pathway

### Product images:



Coomassie blue staining of purified EXOC7 protein (Cat# [TP322329]). The protein was produced from HEK293T cells transfected with EXOC7 cDNA clone (Cat# [RC222329]) using MegaTran 2.0 (Cat# [TT210002]).