

## Product datasheet for PH302858

### p60 CAF1 (CHAF1B) (NM\_005441) Human Mass Spec Standard

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Mass Spec Standards  |
| Description:                          | CHAF1B MS Standard C13 and N15-labeled recombinant protein (NP_005432) |
| Species:                              | Human  |
| Expression Host:                      | HEK293   |
| Expression cDNA Clone or AA Sequence: | RC202858   |
| Predicted MW:                         | 61.5 kDa   |
| Protein Sequence:                     | >RC202858 protein sequence<br>Red=Cloning site Green=Tags(s)           |

MKVITCEIAWHNKEPVYSLDFQHGHTAGRIHRLASAGVDTNVRIWKVEKPGDKAIVEFLSNLARHTKAVN  
VVRFSPTGEILASGGDDAVILLWKVNDNKEPEQIAFQDEDEAQLNKENWTVVKTLRGHLEDVYDIDICWATD  
GNLMASASVDNTAIIWDVSKGQKISIFNEHKSYYQGVTDPLGQYVATLSCDRVLRVYSIQKKRVAFNVS  
KMLSGIGAEGEARSYRMFHDDSMKSFRRLLSFTPDGSLLLTPAGCVESGENVMNTTYVFSRKNLKRPIAH  
LPCPGKATLAVRCCPVYFELRPVVETGVELMSLPYRLFVAVASEDSVLLYDTQQSFPGYVSNIIHYHTLS  
DISWSSDGAFLAISSTDGYCSFVTFEKDELGIPLKEKPVLMNRTPDATKTKSQTHRGSPPGPRPVEGTP  
ASRTQDPSSPGTTPPQARQAPAPTIVIRDPSSITPAVKSPPLPGPSEEKTLQPSQNTKAHPSRRVTLNLTQ  
AWSKTTPRRINLTPLKTDTPSSVPTSVISTPSTEEIQSETPGDAQGSPPELKRPRLDENKGGTESLDP

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- <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_005432</a></u>   |
| RefSeq Size:     | 2297   |
| RefSeq ORF:      | 1677   |



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**Synonyms:** CAF-1; CAF-IP60; CAF1; CAF1A; CAF1P60; MPHOSPH7; MPP7

**Locus ID:** 8208

**UniProt ID:** [Q13112](#)

**Cytogenetics:** 21q22.12-q22.13

**Summary:** Chromatin assembly factor I (CAF-I) is required for the assembly of histone octamers onto newly-replicated DNA. CAF-I is composed of three protein subunits, p50, p60, and p150. The protein encoded by this gene corresponds to the p60 subunit and is required for chromatin assembly after replication. The encoded protein is differentially phosphorylated in a cell cycle-dependent manner. In addition, it is normally found in the nucleus except during mitosis, when it is released into the cytoplasm. This protein is a member of the WD-repeat HIR1 family and may also be involved in DNA repair. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified CHAF1B protein (Cat# [TP302858]). The protein was produced from HEK293T cells transfected with CHAF1B cDNA clone (Cat# [RC202858]) using MegaTran 2.0 (Cat# [TT210002]).