

## Product datasheet for PH313297

### ZW10 (NM\_004724) Human Mass Spec Standard

#### Product data:

|                                       |                                                                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:                         | Mass Spec Standards                                                                                                                      |
| Description:                          | ZW10 MS Standard C13 and N15-labeled recombinant protein (NP_004715)                                                                     |
| Species:                              | Human                                                                                                                                    |
| Expression Host:                      | HEK293                                                                                                                                   |
| Expression cDNA Clone or AA Sequence: | RC213297                                                                                                                                 |
| Predicted MW:                         | 88.6 kDa                                                                                                                                 |
| Protein Sequence:                     | >RC213297 representing NM_004724<br><span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s) |

MASFVTEVLAHSGRLEKEDLGTRISRLTRRVEEIKGEVCNMISKKYSEFLPSMQSAQGLITQVDKLSEDI  
 DLLKSRIESEVRRDLHVSTGEFTDLKQQLERDSVVL SLLKQLQEFSTAIEEYNCALTEKKYVTGAQRLEE  
 AQKCLKLLKSRKCFDLKILKSLSMELTIQKNILYHLGEEWQKLIWKFPPSKDTSSLESYLQTELHLYT  
 EQSHKEEKTMPPISSVLLAFSVLGELHSKLSFGQMLLKYILRPLASCPSLHAVIESQPNIVII RFESI  
 MTNLEYPSPEVFTKIRLVLEVLQKQLDLPLDTLENEKTSTVPLAEMLGMIWEDLSECLIKNCLVYS  
 IPTNSSKLQQYEEIIQSTEEFENALKEMRFLKGDTTDLLKYARNINSHFANKKCQDVIVAARNLMTSEIH  
 NTVKIIIPDSKINVPCLPTPDEDNKLEVQKVSNTQYHEVMNLEPENTLDQHSFSLPTCRISESVKKLMELA  
 YQTLLEATTSSDQCAVQLFYSVRNIFHLFHDVVPTYHKENLQKLPQLAAIHHNNCMYIAHLLTLGHQFR  
 LRLAPILCDGTATFVDLVPGFRLGTECFLAQMRQKQKELLERLSSARNFSNMDDEENYSAASKAVRQVL  
 HQLKRLGIVWQDVLVNIYCKAMGTLNTAISEVIGKITALEDISTEDGDRLYSLCKTVMDGEPQVFAPL  
 SEESKNKKYQEEVPVYVPKWMFPKELMMLQASLQEIGDRWADGKGPLAAAFSSSEVKALIRALFQNTER  
 RAAALAKIK

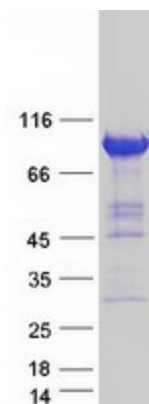
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                  |                                                                                                                                                                          |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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:          | <a href="#">NP_004715</a>                                                                                                                                                |


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|                   |                                                                                                                                                                                                                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RefSeq Size:      | 2900                                                                                                                                                                                                                                                                                         |
| RefSeq ORF:       | 2337                                                                                                                                                                                                                                                                                         |
| Synonyms:         | HZW10; KNTC1AP                                                                                                                                                                                                                                                                               |
| Locus ID:         | 9183                                                                                                                                                                                                                                                                                         |
| UniProt ID:       | <u><a href="#">O43264</a></u>                                                                                                                                                                                                                                                                |
| Cytogenetics:     | 11q23.2                                                                                                                                                                                                                                                                                      |
| Summary:          | This gene encodes a protein that is one of many involved in mechanisms to ensure proper chromosome segregation during cell division. This protein is an essential component of the mitotic checkpoint, which prevents cells from prematurely exiting mitosis. [provided by RefSeq, Aug 2011] |
| Protein Families: | Druggable Genome                                                                                                                                                                                                                                                                             |

### Product images:



Coomassie blue staining of purified ZW10 protein (Cat# [TP313297]). The protein was produced from HEK293T cells transfected with ZW10 cDNA clone (Cat# [RC213297]) using MegaTran 2.0 (Cat# [TT210002]).