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# Product datasheet for TP305453L

## HORMAD2 (NM_152510) Human Recombinant Protein

### Product data:

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|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Recombinant protein of human HORMA domain containing 2 (HORMAD2), 1 mg |
| **Species:** | Human |
| **Expression Host:** | HEK293T |
| **Expression cDNA Clone or AA Sequence:** | >RC205453 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MATAQLSHCITIHKASKETVFPSQITNEHESLKMVKKLFATSISCITYLRGLFPESSYGERHLDDLSLKI<br>LREDKKCPGSLHIIRWIQGCFDALEKRYLRMAVLTLYTDPMGSEKVTEMYQFKFKYTKEGATMDFDSHSS<br>STSFESGTNNEDIKKASVLLIRKLYILMQDLEPLPNNVVLTMKLHYYNAVTPHDYQPLGFKEGVNSHFLL<br>FDKEPINVQVGFVSTGFHSMKVKVMTEATKVIDLENNLFRENSTTEIAHQGLDCDEEEECNDHIQRMNFV<br>CSQQSSECSRKKRKVSEPVKVFIPNRK<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Tag:** | C-Myc/DDK |
| **Predicted MW:** | 35.1 kDa |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| **Preparation:** | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| **Note:** | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| **Storage:** | Store at -80°C. |
| **Stability:** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **RefSeq:** | NP_689723 |
| **Locus ID:** | 150280 |

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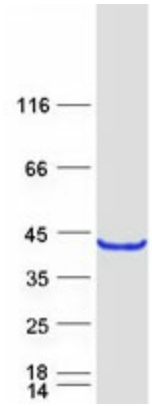
|---|---|
| **UniProt ID:** | Q8N7B1 |
| **RefSeq Size:** | 1909 |
| **Cytogenetics:** | 22q12.2 |
| **RefSeq ORF:** | 921 |
| **Synonyms:** | CT46.2 |
| **Summary:** | Essential for synapsis surveillance during meiotic prophase via the recruitment of ATR activity. Plays a key role in the male mid-pachytene checkpoint and the female meiotic prophase checkpoint: required for efficient build-up of ATR activity on unsynapsed chromosome regions, a process believed to form the basis of meiotic silencing of unsynapsed chromatin (MSUC) and meiotic prophase quality control in both sexes. Required for the DNA double-strand break-independent, BRCA1-dependent activation of ATR on the sex chromosomes that is essential for normal sex body formation (By similarity).[UniProtKB/Swiss-Prot Function] |

## Product images:




Coomassie blue staining of purified HORMAD2 protein (Cat# [TP305453]). The protein was produced from HEK293T cells transfected with HORMAD2 cDNA clone (Cat# [RC205453]) using MegaTran 2.0 (Cat# [TT210002]).