

Product datasheet for **MC206106**

Hint1 (BC070415) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hint1 (BC070415) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hint1
Synonyms:	PKCI-1, PRKCNH1, Ipk1, Hint
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC070415 CGCAGGCCACCGGGCGCGAGCCGGCAGTCTCCGCGCGCTCCCGGGTTCCTCTCCCCACTGTGGCCGCG GCGCGGGAAGGACAGTGAGCGGCCGCGATGGCTGACGAGATTGCCAAGGCTCAAGTGGCCAGCCGCGCG GCGACACGATCTTCGGCAAGATCATCCGCAAGAAATCCCGCCAAGATCATCTTCGAGGACGACCGGTG TCTTGCTTTTCATGACATTTCCCTCAAGCACCAACACACTTTCTGGTGATACCCAAGAAGCATATATCC CAGATTTCTGTAGCAGATGATGATGATGAAAGTCTTCTAGGACATTTAATGATTGTTGGCAAGAAATGTG CTGCAGATCTGGGCTGAAGCGCGGTACCGGATGGTGGTGAATGAAGGTGCAGACGGGGACAGTCTGT CTATCACATTCACCTCCATGTCTTGGGGTGGCAGATGAACTGGCCTCCTGGTTAAAGCAGGTTGGGG ATAAAGTGTCTTCTCTAGATAGTTGGCAAGCTCCAGTAAGATAAATGGCACACGTAGTTTTGCCTGTAT ATGGAGAAATTGAAGAGATCATTTAAAATTCTGTGCCTAATAAAGACATTGTTGCAAAAAAAAAAAAAA AAAA
Restriction Sites:	Ascl-NotI
ACCN:	BC070415
Insert Size:	381 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC070415](#), [AAH70415](#)

RefSeq Size: 634 bp

RefSeq ORF: 381 bp

Locus ID: 15254

Cytogenetics: 11 B1.3

Gene Summary: Hydrolyzes purine nucleotide phosphoramidates with a single phosphate group, including adenosine 5'monophosphoramidate (AMP-NH₂), adenosine 5'monophosphomorpholidate (AMP-morpholidate) and guanosine 5'monophosphomorpholidate (GMP-morpholidate). Hydrolyzes lysyl-AMP (AMP-N-epsilon-(N-alpha-acetyl lysine methyl ester)) generated by lysine tRNA ligase, as well as Met-AMP, His-AMP and Asp-AMP, lysyl-GMP (GMP-N-epsilon-(N-alpha-acetyl lysine methyl ester)) and AMP-N-alanine methyl ester. Can also convert adenosine 5'-O-phosphorothioate and guanosine 5'-O-phosphorothioate to the corresponding nucleoside 5'-O-phosphates with concomitant release of hydrogen sulfide. In addition, functions as scaffolding protein that modulates transcriptional activation by the LEF1/TCF1-CTNNB1 complex and by the complex formed with MITF and CTNNB1. Modulates p53/TP53 levels and p53/TP53-mediated apoptosis. Modulates proteasomal degradation of target proteins by the SCF (SKP2-CUL1-F-box protein) E3 ubiquitin-protein ligase complex (By similarity). [UniProtKB/Swiss-Prot Function]