

Product datasheet for TP526269

Hic1 (NM_001098203) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse hypermethylated in cancer 1 (Hic1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226269 representing NM_001098203 Red =Cloning site Green =Tags(s)
	<p>MTFPEADILLKSGECAGQTMLDTMEAPGHSRQLLLQLNQRKGFCDVIIVQNALFRAHKNVLAASSA YLKSLVVDNLLNLDHDMVSPAVFRLVLDFIYTGRLTDSVEAAAAA AVAPGAEP SLGAVLAAASYLQIPD LVALCKKRLKRHGKYCHLRGGGSGGGYAPYGRPGRGLRAATPVIQACYSSPAGPPPPAAEPPSGPDAA VNTHCAELYASGPGAASLCAPERRCSPLCGLDLSKKSPPGSSVPERPLSERELPPRPDPPGAGPAVYK EPSLALPPLPLPFQKLEAVPTDPFRGSGGSPGPEPPGRPDGSSLLYRWMKHEPGLGSYGDELVRDRG SPGERLEERGGDPAASPGGPLGLVPPPRYPGSLDGP GTGADGDDYKSSSEETGSSSEDPSPGGHLEGYP CPHLAYGEPESFGDNLYVCIPCGKGFPSSEQLNAHVEAHVEEEALYGRAEAAEVAAGAAGLGPFGGGG DKVTGAPGGLGELLRPYRCASCDKSYKDPATLRQHEKTHWLTRYPCTICGKKFTQRGTMTRHMRSHLGL KPFACDACGMRFTQYRLTEHMRIHSGEKPYECQVCGGKFAQQRNLISHMKMHAVGGAAGAAGALAGLGG LPGVPGPDGKGLDFPEGVFAVARLTAEQLSLKQDQKAAAELLAQTTHFLHDPKVALES LYPLAKFTAE LGLSPDKAAEVLSQGAHLAAGPDSRTIDRFSP</p> <p>SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	77.3 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
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 after receiving vials.



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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_001091673
Locus ID:	15248
UniProt ID:	Q9R1Y5
RefSeq Size:	3253
Cytogenetics:	11 45.76 cM
RefSeq ORF:	2199
Synonyms:	AA408311; HIC-1
Summary:	<p>Transcriptional repressor. Recognizes and binds to the consensus sequence '5-[CG]NG[CG]GGGCA[CA]CC-3'. May act as a tumor suppressor. May be involved in development of head, face, limbs and ventral body wall. Involved in down-regulation of SIRT1 and thereby is involved in regulation of p53/TP53-dependent apoptotic DNA-damage responses. The specific target gene promoter association seems to be depend on corepressors, such as CTBP1 or CTBP2 and MTA1. The regulation of SIRT1 transcription in response to nutrient deprivation seems to involve CTBP1. In cooperation with MTA1 (indicative for an association with the NuRD complex) represses transcription from CCND1/cyclin-D1 and CDKN1C/p57Kip2 specifically in quiescent cells. Involved in regulation of the Wnt signaling pathway probably by association with TCF7L2 and preventing TCF7L2 and CTNNB1 association with promoters of TCF-responsive genes. Seems to repress transcription from E2F1 and ATOH1 which involves ARID1A, indicative for the participation of a distinct SWI/SNF-type chromatin-remodeling complex. Probably represses transcription from ACKR3, FGFBP1 and EFNA1.[UniProtKB/Swiss-Prot Function]</p>