

Product datasheet for **TP505746**

Macroh2a2 (NM_207000) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse H2A histone family, member Y2 (H2afy2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205746 protein sequence Red =Cloning site Green =Tags(s)
	<p>MSGRSGKKKMSKLSRSARAGVIFPVGRLMRYLKKGTFFKYRISVGGAPVYMAAVIEYLAAEILELAGNAARD NKKARIAPRHILLAVANDEELNQLLKGVTIASGGVLPRIHPELLAKKRGTKGKSETILSPPPEKRGRKAA SGKKGGKSKATKPRTSKKSKAKDSDKEGTSNSTSEDGPGDGFTILSSKSLVLGQKLSLTQSDISHIGSM RVEGIVHPTTAEIDLKEEIGKALEKAGGKEFLETVKELRKSQGPLEVAEAAVSQSSGLAAKFVIHCHIPQ WGSDKCEEQLEETIKNCLSAEDKKLKSVAFPFPFSGRNCFPKQTAAQVTLKAISAHFDDSSSSSLKNVY FLLFDESIGIYVQEMAKLDTK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	40.1 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
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.
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_996883
Locus ID:	404634
UniProt ID:	Q8CCK0



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RefSeq Size: 1910

Cytogenetics: 10 B4

RefSeq ORF: 1119

Synonyms: H2afy; H2afy2

Summary: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene encodes a replication-independent histone that is a member of the histone H2A family. It replaces conventional H2A histones in a subset of nucleosomes where it represses transcription and may participate in stable X chromosome inactivation. [provided by RefSeq, Nov 2015]