

## Product datasheet for **TP303699M**

### Macro H2A.2 (H2AFY2) (NM\_018649) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human H2A histone family, member Y2 (H2AFY2), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC203699 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MSGRSGKKKMSKLSRSARAGVIFPVGRLMRYLKKGTFKYRISVGAPVYMAAVIEYLAAEILELAGNAARD  
NKKARIAPRHILLAVANDEELNQLLKGVTIASGGVLPRIHPPELLAKKRGTGKSETILSPPPEKRGRKAT  
SGKKGGKSKAAKPRTSKKSKPKDSDKEGTSNSTSEDGPGDGFTILSSKSLVLGQKLSLTQSDISHIGSM  
RVEGIVHPTTAEIDLKEDIGKALEKAGGKEFLETVKELRKSQGPLEVAEAAVSQSSGLAAKFVIHCHIPQ  
WGSDKCEEQLEETIKNCLSAEDKKLKSVAFPFPFSGRNCFPKQTAAQVTLKAISAHFDDSSASSLKNVY  
FLLFDSSESIGIYVQEMAKLDAK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 39.9 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\\_061119](#)

**Locus ID:** 55506



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UniProt ID: [Q9P0M6](#), [A0A024QZP6](#)

RefSeq Size: 2181

Cytogenetics: 10q22.1

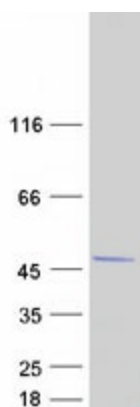
RefSeq ORF: 1116

Synonyms: 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, Oct 2015]

**Protein Pathways:** Systemic lupus erythematosus

### Product images:



Coomassie blue staining of purified H2AFY2 protein (Cat# [TP303699]). The protein was produced from HEK293T cells transfected with H2AFY2 cDNA clone (Cat# [RC203699]) using MegaTran 2.0 (Cat# [TT210002]).