

## Product datasheet for **TP315554**

### **H1oo (H1FOO) (NM\_153833) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human H1 histone family, member O, oocyte-specific (H1FOO), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215554 representing NM_153833 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAPGSVTSDISPSSTSTAGSSRSPSEKPGPSHGGVPPGGPSHSSLPVGRRHPPVLRMVLEALQAGEQRR  
GTSVAAIKLYILHKYPTVDVLRFKYLLKQALATGMRRGLLARPLNSKARGATGSFKLVPKHKKKIQPRKM  
APATAPRRAGEAKGKGPCKPSEAKEDPPNVGKVKAAKRPKVQKPPKPGAATEKARKQGGAAKDTRAQ  
SGEARKVPPKPKDKAMRAPSSAGLSRKAKAKGSRSSQGDAAEAYRKTKAESKSKPTASKVKNGAASPTKK  
KVVAKAKAPKAGQGPNTKAAAPAKGSGSKVPAHLRSRTEAPKGRKAGLPIKASSSKVSSQRAEA

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	35.6 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:	<u><a href="#">NP_722575</a></u>
Locus ID:	132243

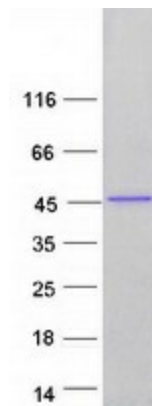


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UniProt ID: [Q8IZA3](#)  
RefSeq Size: 1067  
Cytogenetics: 3q22.1  
RefSeq ORF: 1038  
Synonyms: H1.8; H1FOO; H1oo; osH1

**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. The protein encoded is a replication-independent histone that is a member of the histone H1 family. This gene contains introns, unlike most histone genes. The related mouse gene is expressed only in oocytes. [provided by RefSeq, Oct 2015]

### Product images:



Coomassie blue staining of purified H1FOO protein (Cat# TP315554). The protein was produced from HEK293T cells transfected with H1FOO cDNA clone (Cat# [RC215554]) using MegaTran 2.0 (Cat# [TT210002]).