

Product datasheet for PH315554

H1oo (H1FOO) (NM_153833) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	H1FOO MS Standard C13 and N15-labeled recombinant protein (NP_722575)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215554
Predicted MW:	35.6 kDa
Protein Sequence:	>RC215554 representing NM_153833 Red=Cloning site Green=Tags(s) MAPGSVTSDISPSSTSTAGSSRSPSESEKPGPSHGGVPPGGPSHSSLPVGRRHPPVLRMVLEALQAGEQRR GTSVAAIKLYILHKYPTVDVLRFKYLLKQALATGMRRGLLARPLNSKARGATGSFKLVPHKHKKIQPRKM APATAPRRAGEAKGKGPKESEAKEDPPNVGKVKAAKRPKVQKPPKPGAATEKARKQGGAAKDTRAQ SGEARKVPPKPKAMRAPSSAGGLSRKAKAKGSRSSQGDAAEAYRKTAEKSSKPTASKVKNGAASPTKK KVVAKAKAPKAGQGPNTKAAAPAKGSGSKVVAHLNRKTEAPKGRKAGLPKASSSKVSSQRAEA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_722575</u>
RefSeq Size:	1067
RefSeq ORF:	1038
Synonyms:	H1.8; H1FOO; H1oo; osH1
Locus ID:	132243



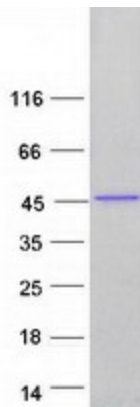
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UniProt ID: [Q8IZA3](#)

Cytogenetics: 3q22.1

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]).