

Product datasheet for PH303699

Macro H2A.2 (H2AFY2) (NM_018649) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	H2AFY2 MS Standard C13 and N15-labeled recombinant protein (NP_061119)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203699
Predicted MW:	40.1 kDa
Protein Sequence:	>RC203699 protein sequence Red=Cloning site Green=Tags(s)
	MSGRSQKMKSKLSRSARAGVIFPVGRMLRYLKKGTFKYRISVGAPVYMAAVIEYLAAEILELAGNAARD NKKARIAPRHILLAVANDEELNQLKGVTIASGGVLPRIHPPELLAKKRGTKGKSETILSPPPEKRGRKAT SGKKGKSKAAKPRTSKKSKPKDSDKEGTSNSTSEDGPGDGFTILSSKSLVLGQKLSLTQSDISHIGSM RVEGIVHPTTAEIDLKEDIGKALEKAGGKEFLETVKELRKSQGPLEVAEAAVSQSSGLAAKFVIHCHIPQ WGS DKCEELEETIKNCLSAEDKLLKSVAFPPFSGRNCFPKQTAAQVTLKAISAHFDDSSASSLKNVY FLLFDSESIGIYVQEMAKLDAK
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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_061119</u>
RefSeq Size:	2181
RefSeq ORF:	1116
Synonyms:	H2AFY2
Locus ID:	55506



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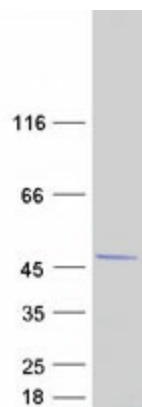
UniProt ID: [Q9P0M6](#), [A0A024QZP6](#)

Cytogenetics: 10q22.1

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. 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]).