OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for PH322960

H2BU1 (NM_175055) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HIST3H2BB MS Standard C13 and N15-labeled recombinant protein (NP_778225)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222960
Predicted MW:	13.9 kDa
Protein Sequence:	>RC222960 protein sequence Red=Cloning site Green=Tags(s) MPDPSKSAPAPKKGSKKAVTKAQKKDGKKRKRGRKESYSIYVYKVLKQVHPDTGISSKAMGIMNSFVNDI FERIASEASRLAHYNKRSTITSREVQTAVRLLLPGELAKHAVSEGTKAVTKYTSSK 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_778225
RefSeq Size:	452
RefSeq ORF:	378
Synonyms:	H2Bb; HIST3H2BB
Locus ID:	128312
UniProt ID:	Q8N257
Cytogenetics:	1q42.13

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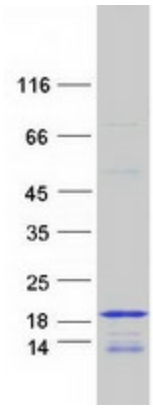
Summary: Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin 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 is intronless and encodes a replication-dependent histone that is a member of the histone H2B family. Transcripts from this gene contain a palindromic termination element. [provided by RefSeq, Aug 2015]

Protein Pathways: Systemic lupus erythematosus

Product images:



Coomassie blue staining of purified HIST3H2BB protein (Cat# [TP322960]). The protein was produced from HEK293T cells transfected with HIST3H2BB cDNA clone (Cat# [RC222960]) using MegaTran 2.0 (Cat# [TT210002]).