

## Product datasheet for PH301894

### HMG20A (NM\_018200) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HMG20A MS Standard C13 and N15-labeled recombinant protein (NP_060670)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201894
Predicted MW:	40.1 kDa
Protein Sequence:	>RC201894 protein sequence Red=Cloning site Green=Tags(s)

MENLMTSSTLPPLFADEDGSKESNDLATTGLNHPEVPYSSGATSSSTNNPEFVEDLSQGQLLQSESSNAAE  
GNEQRHEDEQRSKRGGWSKGRKRKKPLRDSNAPKSPLTGYVRFMNERREQLRAKRPEVFPPEITRMLGNE  
WSKLPPEEKQRYLDEADRDKERYMKELEQYQKTEAYKVF SRKTQDRQKGKSHRQDAARQATHDHEKETEV  
KERSVFDIPIFTEEFLNHASKAREAELRQLRKSNMFEERNAALQKHVESMRTAVEKLEVDVIQERSRNTV  
LQQHLETLRQVL TSSFASMPPLPGSGETPTVDTIDSYMNRLHSIILANPQDNENFIATVREVVNRLDR

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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><a href="#">NP_060670</a></u>
RefSeq Size:	3898
RefSeq ORF:	1041
Synonyms:	HMGX1; HMGXB1
Locus ID:	10363



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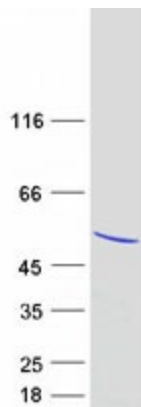
UniProt ID: [Q9NP66](#)

Cytogenetics: 15q24.3

**Summary:** Plays a role in neuronal differentiation as chromatin-associated protein. Acts as inhibitor of HMG20B. Overcomes the repressive effects of the neuronal silencer REST and induces the activation of neuronal-specific genes. Involved in the recruitment of the histone methyltransferase KMT2A/MLL1 and consequent increased methylation of histone H3 lysine 4 (By similarity).[UniProtKB/Swiss-Prot Function]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified HMG20A protein (Cat# [TP301894]). The protein was produced from HEK293T cells transfected with HMG20A cDNA clone (Cat# [RC201894]) using MegaTran 2.0 (Cat# [TT210002]).