

Recombinant Human NASP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NASP-1000H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NASP MS Standard C13 and N15-labeled recombinant protein (NP_002473) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a H1 histone binding protein that is involved in transporting histones into the nucleus of dividing cells. Multiple isoforms are encoded by transcript variants of this gene. The somatic form is expressed in all mitotic cells, is localized to the nucleus, and is coupled to the cell cycle. The testicular form is expressed in embryonic tissues, tumor cells, and the testis. In male germ cells, this protein is localized to the cytoplasm of primary spermatocytes, the nucleus of spermatids, and the periacrosomal region of mature spermatozoa.
Molecular Mass	85.2 kDa
AA Sequence	MAMESTATAAVAAELVSADKIEDVPAPSTSADKVESLDVDSEAKKLLGLGQKHLVM GDIPAAVNAFQEAASLLGKKYGETANECGEAFFFYGKSLLLEARMENGVLGNALEG VHVEEEEGEKTEDESLVENNDNIDEEAREELREQVYDAMGEKEEAKKTEDKSLAKP ETDKEQDSEMEKGGREDMDISKSAAEPQEKVDLTLDWLTETSEEAKGGAAPEGPN EAEVTSKGKPEQVEPDAEEEEKSVSGTDVQEECREKGGQEKQGEVIVSIEEKPKEVSE EQPVVTLEKQGTAVEVEAESLDPTVKPVDVGGDEPEEKVVTSENEAGKAVLEQLVG

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QEVPPAEESPEVTTEAAEASAVEAGSEVSEKPGQEAPVLPKDGAVNGPSVVGDT
 PIEPQTSIERLTETKDGSGLEEKVRAKLVPSQEETKLSVEESEAAGDGVDTKVAQGA
 TEKSPEDKVQIAANEETQEREEQMKEGEETEGSEEDDKENDKTEEMPNDVLENK
 SLQENEEEEIGNLELAWDMLDLAKIIFKRQETKEAQLYAAQAHLKLGEVSVESENYV
 QAVEEFQSCNLQEQYLEAHDRLLAETHYQLGLAYGYNSQYDEAVAQFSKSIEVIEN
 RMAVLNEQVKEAEGSSAEYKKEIEELKELLPEIREKIEDAKESQRSGNVAELALKATL
 VESSTSGFTPGGGGSSVSMIASRKPTDGASSSNCVTDISHLVRKKRKPEEESPRKD
 DAKKAKQEPEVNGGSGDAVPSGNEVSENMEEEAENQAESRAAVEGTVEAGATVES
 TACTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NASP nuclear autoantigenic sperm protein [Homo sapiens (human)]

Official Symbol NASP

Synonyms NASP; nuclear autoantigenic sperm protein (histone-binding); nuclear autoantigenic sperm protein; DKFZp547F162; FLB7527; FLJ31599; FLJ35510; MGC2297; MGC19722; MGC20372; PRO1999; histone H1-binding protein;

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Gene ID	4678
mRNA Refseq	NM_002482
Protein Refseq	NP_002473
MIM	603185
UniProt ID	P49321
SDS-PAGE	