

## Product datasheet for TP304052

### NASP (NM\_002482) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nuclear autoantigenic sperm protein (histone-binding) (NASP), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204052 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAMESTATAAVAAELVSADKIEDVPAPSTSADKVESLDVDSEAKLLGLGQKHLVMGDIPAAVNAFQEAASLLGKKYGETANECGEAFFFYGKSLLELARMENGLVGNALLEGVHVEEEEGEKTEDESLVENNDNIDEEAR EELREQVYDAMGEKEEAKKTEDKSLAKPETDKEQDSEMEKGGREDMDISKSAAEPQEKVDLTLDWLTETS EEAAGGAPEGPNEAEVTSKGPEQEVPADEEEKSVSGTDVQEECREKGGQEKQGEVIVSIEEKPKEVSEE QPVVTLKQGTAVEVEAESLDPTVKPVDVGGDEPEEKWVTSENEAGKAVLEQLVGGQEVPPAEESPEVTTE AAEASAVEAGSEVSEKPGQEAPVLPKDGAVNGPSVVGDDQTPIEPQTSIERLTETKDGSGLEEKVRAKLVP SQEETKLSVEESEAAGDGVDTKVAQGATEKSPEDKVQIAANEETQEREEQMKEGEETEGSEEDDKENDKT EEMPNDSVLENKSLQENEEEEIGNLELAWDMLDLAKIIFKRQETKEAQLYAAQAHLKLGESVSEENYVQ AVEEFQSCNLNQEYLAHDRLLAETHYQLGLAYGYNQSYDEAVAQFSKSIENRMVAVLNEQVKEAEG SSAEYKKEIEELKELLPEIREKIEDAKESQRSGNVAELALKATLVESSTSGFTPGGGGSSVSMIASRKPT DGASSSNCVTDISHLVRKKRKPEEESPRKDDAKKAKQEPEVNGGSGDAVPSGNEVSENMEEEAENQAESR AAVEGTVEAGATVESTAC

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	85.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Enzyme substrate (PMID: <a href="#">27860220</a> )
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_002473](#)

**Locus ID:** 4678

**UniProt ID:** [P49321](#)

**RefSeq Size:** 3301

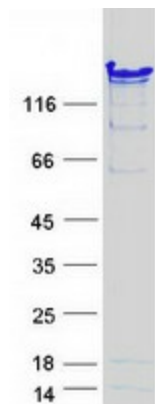
**Cytogenetics:** 1p34.1

**RefSeq ORF:** 2364

**Synonyms:** FLB7527; HMDRA1; PRO1999

**Summary:** 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. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified NASP protein (Cat# TP304052). The protein was produced from HEK293T cells transfected with NASP cDNA clone (Cat# [RC204052]) using MegaTran 2.0 (Cat# [TT210002]).