Active Recombinant Full Length Human NASP Protein, C-Flag-tagged

Cat. No. NASP-585HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human NASP Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Enzyme substrate
Molecular Mass	85.1 kDa
AA Sequence	MAMESTATAAVAAELVSADKIEDVPAPSTSADKVESLDVDSEAKKLLGLGQKHLVM GDIPAAVNAFQEAA SLLGKKYGETANECGEAFFFYGKSLLELARMENGVLGNALEG VHVEEEEGEKTEDESLVENNDNIDEEAR EELREQVYDAMGEKEEAKKTEDKSLAKP

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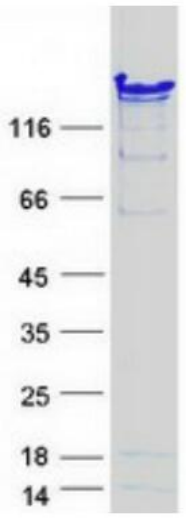
	ETDKEQDSEMEKGGREDMDISKSAEEPQEKVDLTLDWLTETS EEAKGGAAPEGPN EAEVTSGKPEQEVPDAEEEKSVSGTDVQEECREKGGQEKQGEVIVSIEEKPKEVSE E QPVVTLEKQGTAVEVEAESLDPTVKPVDVGGDEPEEKVVTSENEAGKAVLEQLV GQEVPPAEESPEVTTE AAEASAVEAGSEVSEKPGQEAPVLPKDGAVNGPSVVGDQ TPIEPQTSIERLTETKDGSGLEEKVRAKLVP SQEETKLSVEESEAAGDGVDTKVAQG ATEKSPEDKVQIAANEETQEREEQMKEGEETEGSEEDDKENDKT EEMPNDSVLEN KSLQENEEEEIGNLELAWDMLDLAKIIFKRQETKEAQLYAAQAHLKLGEVSVESENYV Q AVEEFQSCLNLQEQYLEAHDRLLAETHYQLGLAYGYNSQYDEAVAQFSKSIEVIE NRMAVLNEQVKEAEG SSAEYKKEIEELKELLPEIREKIEDAKESQRSGNVAELALKA TLVESSTSGFTPGGGGSSVSMIASRKPT DGASSSNCVTDISHLVRKKRKPEEESPR KDDAKKAKQEPEVNGGSGDAVPSGNEVSENMEEEAENQAESR AAVEGTVEAGATVESTACTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

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

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Official Symbol	NASP
Synonyms	HMDRA1; FLB7527; PRO1999
Gene ID	4678
mRNA Refseq	NM_002482.4
Protein Refseq	NP_002473.2
MIM	603185
UniProt ID	P49321



Coomassie blue staining of purified NASP protein.

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