Recombinant Human NASP protein, His & T7-tagged

Cat. No. NASP-1664H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NASP aa. (Met3~Asn223 (Accession # P49321)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met3~Asn223
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	Freeze-dried powder
Molecular Mass	35kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%

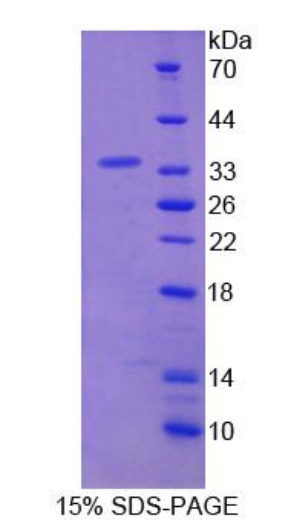
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.
Isoelectric Point	4.2

GENE INFORMATION

Gene Name	NASP nuclear autoantigenic sperm protein [Homo sapiens (human)]
Official Symbol	NASP
Synonyms	NASP; nuclear autoantigenic sperm protein; HMDRA1; FLB7527; PRO1999; NASP histone chaperone; histone H1-binding protein; nuclear autoantigenic sperm protein (histone-binding)
Gene ID	4678
mRNA Refseq	NM_001195193.1

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Protein Refseq	NP_001182122.1
UniProt ID	P49321
SDS-PAGE	

15% SDS-PAGE

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