



# Recombinant Human Nuclear autoantigenic sperm protein (NASP)

<b>Product Code</b>	CSB-EP015462HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P49321
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>AMESTATAA VAAELVSADK IEDVPAPSTS ADKVESLDVD SEAKKLLGLG            QKHLVMGDIP AAVNAFQEA SLLGKKYGET ANECGEAFF YGKSLELAR            MENGLVGNAL EGVHVEEEEG EKTEDESLVE NNDNIDEEAR EELREQVYDA            MGEKEEAKKT EDKSLAKPET DKEQDSEMEK GGREDMDISK SAEEPQEKVD            LTLDWLTETS EEAKGGAAPE GPNEAEVTSG KPEQEVPAE EEKSVSGTDV            QEECREKGGQ EKQGEVIVSI EEKPKEVSEE QPVVTLEKQG TAVEVEAESL            DPTVKPVDVG GDEPEEKVVT SENEAGKAVL EQLVGQEVPP AEESPEVTTE            AAASAVEAG SEVSEKPGQE APVLPKDGAV NGPSVVG DQT PIEPQTSIER            LTETKDG SGL EEKVRACLVP SQEETKLSVE ESEAAGD GVD TKVAQGATEK            SPEDKVQIAA NEETQEREEQ MKEGEETEGS EEDDKENDKT EEMPND SVLE            NKSLQENEEE EIGNLELAWD MLDLAKIIFK RQETKEAQLY AAQAHLK LGE            VSVESENYVQ AVEEFQ SCLN LQEQYLEAHD RLLAETHYQL GLAYGYNSQY            DEAVAQFSKS IEVIENRMAV LNEQVKEAEG SSAEYKKEIE ELKELLPEIR            EKIEDAKESQ RSGNVAELAL KATLVESSTS GFTPGGGGSS VSMIASRKPT            DGASSSNCVT DISHLVRKKR KPEEESPRKD DAKKAKQEPE VNGGSGDAVP            SGNEVSENME EEAENQAESR AAVEGTVEAG ATVESTAC</p>
<b>Source</b>	E.coli
<b>Target Names</b>	NASP
<b>Protein Names</b>	Recommended name: Nuclear autoantigenic sperm protein Short name= NASP
<b>Expression Region</b>	2-788
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.



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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.