



# Recombinant Human NACHT, LRR and PYD domains-containing protein 10 (NLRP10)

<b>Product Code</b>	CSB-YP773044HU
<b>Abbreviation</b>	NLRP10
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q86W26
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MAMAKARKPR EALLWALSDDL EENDFKKLFK YLRDMTLSEG QPPLARGELE GLIPVDLAEL LISKYGEKEA VKVVLKGLKV MNLLELVDQL SHICLHDYRE VYREHVRCL EEWQEAGVNGR YNQVLLVAKP SSESPELAC PFPEQELESV TVEALFDSGE KPSLAPSLVV LQGSAGTGKT TLARKMVLWDW ATGTLYPGRF DYVFYVSCKE VVLLLESKLE QLLFWCCGDN QAPVTEILRQ PERLLFILDG FDELQRPFEE KLKKRGLSPK ESHLLHLLIRR HTLPTCSLLI TTRPLALRNL EPLLKQARHV HILGFSEER ARYFSSYFTD EKQADRAFDI VQKNDILYKA CQVPGICWVV CSWLQGQMER GKVVLETPRN STDIFMAYVS TFLPPDDDGG CSELSRHRVL RSLCSLAAEG IQHQRFLFEE AELRKHNLGDG PRLAFLSSN DYQLGLAIKK FYSFRHISFQ DFFHAMSylv KEDQSRLGKE SRREVQRLL E VKEQEGNDEM TLTMQFLLDI SKKDSFSNLE LKFCFRISPC LAQDLKHFKE QMESMKHNRT WDLEFSLYEA KIKNLVKGIQ MNNVSFKIKH SNEKKSQSQN LFSVKSSLSH GPKEEQKCPS VHGQKEGKDN IAGTQKEAST GKGRGTEETP KNTYI
<b>Source</b>	Yeast
<b>Target Names</b>	NLRP10
<b>Protein Names</b>	Recommended name: NACHT, LRR and PYD domains-containing protein 10 Alternative name(s): Nucleotide-binding oligomerization domain protein 8
<b>Expression Region</b>	1-655
<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 protein
<b>Target Details</b>	Members of the NALP protein family typically contain a NACHT domain, a NACHT-associated domain (NAD), a C-terminal leucine-rich repeat (LRR) region, and an N-terminal pyrin domain (PYD). This protein belongs to the NALP protein family despite lacking the LRR region. This protein likely plays a



regulatory role in the innate immune system. The protein belongs to the signal-induced multiprotein complex, the inflammasome, that activates the pro-inflammatory caspases, caspase-1 and caspase-5. Other experiments indicate that this gene acts as a multifunctional negative regulator of inflammation and apoptosis.

---

**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.

---

**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.