



Recombinant Human Forkhead box protein N1 (FOXN1)

Product Code	CSB-MP008829HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O15353
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MVSLPPPQSD VTLPGPTRLE GERQGDLMQA PGLPGSPAPQ SKHAGFSCSS FVSDGPPERT PSLPPHSPRI ASPGPEQVQG HCPAGPGGP FRLSPSDKYP GFGFEEAAAS SPGRFLKGSH APFHPYKRPF HEDVFPEAET TLALKGHSFK TPGGLEAFEE IPVDVAEAEA FLPGFSAEAW CNGLPYPSQE HGPQVLGSEV KVKPPVLESG AGMFCYQPPL QHMYCSSQPP FHQYSPGGGS YPIPYLGSSH YQYQRMAPQA STDGHQPLFP KPIYSYSILI FMALKNSKTG SLPVSEIYNF MTEHFPYFKT APDGWKNNSVR HNLSLNKCFE KVENKSGSSS RKGCLWALNP AKIDKMQEEL QKWKRKDPIA VRKSMAPKEE LDSLIGDKRE KLGSPLLGCP PPGLSGSGPI RPLAPPAGLS PPLHSLHPAP GPIPGKNPLQ DLLMGHTPSC YGQTYLHLSP GLAPPGPPQP LFPQPDGHLE LRAQPGTPQD SPLPAHTPPS HSAKLLAEPS PARTMHDTL PDGDLGTDLD AINPSLTDFD FQGNLWEQLK DDSLALDPLV LVTSSPTSSS MPPPQPPPHC FPPGPCLTET GSGAGDLAAP GSGGSGALGD LHLTTLYSAF MELEPTPPTA PAGPSVYLSP SSKPVALA
Source	Mammalian cell
Target Names	FOXN1
Protein Names	Recommended name: Forkhead box protein N1 Alternative name(s): Winged-helix transcription factor nude
Expression Region	1-648
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	Mutations in the winged-helix transcription factor gene at the nude locus in mice and rats produce the pleiotropic phenotype of hairlessness and athymia, resulting in a severely compromised immune system. This gene is orthologous to the mouse and rat genes and encodes a similar DNA-binding transcription factor that is thought to regulate keratin gene expression. A mutation in this gene has been correlated with T-cell immunodeficiency, the skin disorder congenital alopecia, and nail dystrophy. Alternative splicing in the 5' UTR of this gene has been observed.
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.