



# Recombinant Human Asparagine synthetase [glutamine-hydrolyzing] (ASNS)

<b>Product Code</b>	CSB-EP002219HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P08243
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	CGIWALFGS DDCLSVQCLS AMKIAHRGPD AFRFENVNGY TNCCFGFHRL AVVDPLFGMQ PIRVKKYPYL WLCYNGEIYN HKKMQQHFEF EYQTKVDGEI ILHLYDKGGI EQTICMLDGV FAFVLLDTAN KKVFLGRDTY GVRPLFKAMT EDGFLAVCSE AKGLVTLKHS ATPFLKVEPF LPGHYEVLDL KPNGKVASVE MVKYHHCRDV PLHALYDNVE KLFPGFIEIET VKNNLRILFN NAVKKRLMTD RRIGCLLSGG LDSSLVAATL LKQLKEAQVQ YPLQTFAIGM EDSPDLLAAR KVADHIGSEH YEVLFNSEEG IQALDEVIFS LETYDITTVR ASVGMYLISK YIRKNTDSVV IFSGEGSDEL TQGYYIFHKA PSPEKAEES ERLRELYLF DVLRADRTTA AHGLELRVPF LDHRFSSYYL SLPEMIRIPK NGIEKHLLRE TFEDSNLIPK EILWRPKEAF SDGITSVKNS WFKILQEYVE HQVDDAMMAN AAQKFPFNTPTKKEGYYYRQ VFERHYPGRA DWLSHYWMPK WINATDPSAR TLTHYKSAVK A
<b>Source</b>	E.coli
<b>Target Names</b>	ASNS
<b>Protein Names</b>	Recommended name: Asparagine synthetase [glutamine-hydrolyzing] EC=6.3.5.4 Alternative name(s): Cell cycle control protein TS11 Glutamine-dependent asparagine synthetase
<b>Expression Region</b>	2-561
<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 protein is involved in the synthesis of asparagine. This gene complements a mutation in the temperature-sensitive hamster mutant ts11, which blocks progression through the G1 phase of the cell cycle at nonpermissive temperature. There are three alternatively spliced transcript variants encoding the same protein described for this gene.
<b>Reconstitution</b>	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.