

## Recombinant Full Length Human ASNS Protein, GST-tagged

Cat. No. ASNS-1055HF Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human ASNS full-length ORF ( NP_001664.2, 1 a.a. - 561 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	561 amino acids
<b>Description</b>	The protein encoded by this gene 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. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, May 2010]
<b>Molecular Mass</b>	90.8 kDa
<b>AA Sequence</b>	<p>           MCGIWALFGS DDCLSVQCLS AMKIAHRGPD AFRFENVNGY TNCCFGFHRL            AVVDPLFGMQ PIRVKKYPYL WLCYNGEIYN HKKMQQHFEF EYQTKVDGEI            ILHLYDKGGI EQTICMLDGV FAFVLLDTAN KKVFLGRD TY GVRPLFKAMT            EDGFLAVCSE AKGLVTLKHS ATPFLKVEPF LPGHYEVL DL KPNGKVASVE            MVKYHHC RDE PLHALYDNVE KLFPGFEIET VKNNLRILFN NAVKKRLMTD            RRIGCLLSGG LDSSLVAATL LKQLKEAQVQ YPLQTFAIGM EDSPDLLAAR            KVADHIGSEH YEVLFNSEEG IQALDEVIFS LETYDITTVR ASVGMYLISK            YIRKNTDSV V IFSGEGSDEL TQGYIYFHKA PSPEKAE EES ERLRELYLF         </p>

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DVLRADRTTA AHGLELRVPF LDHRFSSYYL SLPPEMRIPK NGIEKHELLRE  
TFEDSNLIPK EILWRPKEAF SDGITSVKNS WFKILQEYVE HQVDDAMMAN  
AAQKFPFNTF KTKEGYYYRQ VFERHYPGRA DWLSHYWMPK WINATDPSAR  
TLTHYKSAVK A

**Applications** Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
Antibody Production; Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [ASNS asparagine synthetase \(glutamine-hydrolyzing\) \[ Homo sapiens \]](#)

**Official Symbol** [ASNS](#)

**Synonyms** ASNS; asparagine synthetase (glutamine-hydrolyzing); asparagine synthetase;  
asparagine synthetase [glutamine-hydrolyzing]; TS11 cell cycle control protein;  
glutamine-dependent asparagine synthetase; TS11

**Gene ID** [440](#)

**mRNA Refseq** [NM\\_001178075](#)

**Protein Refseq** [NP\\_001171546](#)

**MIM** [108370](#)

**UniProt ID** [P08243](#)

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