

Recombinant Full Length Human ASNS Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human ASNS full-length ORF (NP_001664.2, 1 a.a. - 561 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	561 amino acids
Description	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]
Molecular Mass	90.8 kDa
AA Sequence	MCGIWALFGS DDCLSVQCLS AMKIAHRGPD AFRFENVNGY TNCCFGFHRL AVVDPLFGMQ PIRVKKYPYL WLCYNGEIYN HKKMQQHFEF EYQTKVDGEI ILHLYDKGGI EQTICMLDGV FAFVLLDTAN KKVFLGRDTY GVRPLFKAMT EDGFLAVCSE AKGLVTLKHS ATPFLKVEPF LPGHYEVLDL KPNGKVASVE MVKYHHCRDE PLHALYDNVE KLFPGFEIET VKNNLRILFN NAVKKRLMTD RRIGCLLSGG LDSSLVAATL LKQLKEAQVQ YPLQTFAGM EDSPDLLAAR KVADHIGSEH YEVLFNSEEG IQALDEVIFS LETYDITTVR ASVGMYLISK YIRKNTDSV IFSGEGSDEL TQGYIYFHKA PSPEKAEES ERLRELYLF

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DVLRADRTTA AHGLELRVPF LDHRFSSYYL SLPPEMRIPK NGIEKHLLRE
 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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