

Recombinant Human ASNS Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ASNS-6725H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ASNS MS Standard C13 and N15-labeled recombinant protein (NP_899199) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	64.4 kDa
AA Sequence	MCGIWALFGSDDCLSVQCLSAMKIAHRGPDAFRFENVNGYTNCCFGFHRLAVVDPL FGMQPIRVKKYPYLWLCYNGEIYNHKKMQQHFEFEYQTKVDGEIILHLYDKGGIEQTI CMLDGVFAFVLLDTANKKVFLGRDTYGVRPLFKAMTEDGFLAVCSEAKGLVTLKHS ATPFLKVEPFLPGHYEVLDPNGKVASVEMVKYHHCRCDEPLHALYDNVEKLFPGF EITVKNNLRILFNNAVKKRLMTDRRIGCLLSGGLDSSLVAATLLKQLKEAQVQYPLQ TFAIGMEDSPDLLAARKVADHIGSEHYEVLFNSEEGIQALDEVIFSLETYDITTVRASV GMYLISKYIRKNTDSVVIFSGEGSDELTTQGYIYFHKAPSPEKAEESERLLRELYLFDV LRADRTTAAHGLELRVPFLDHRFSSYYLSLPPEMRIPKNGIEKHLLRETFEDSNLIPKE

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ILWRPKEAFSDGITSVKNSWFKILQEYVEHQVDDAMMANAAQKFPFNTPKTKEGY
YRQVFERHYPGRADWLSHYWMPKWINATDPSARTLTHYKSAVKATRTRPLEQKLIS
EEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ASNS asparagine synthetase (glutamine-hydrolyzing) [Homo sapiens (human)]

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_183356

Protein Refseq NP_899199

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MIM	108370
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UniProt ID	P08243
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