

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	<p>MCGIWALFGSDDCLSVQCLSAMKIAHRGPDAFRFENVNGYTNCCFGFHRLAVVDPL FGMQPIRVKKYPYLWLCYNGEIYNHKKMQQHFEFEYQTKVDGEIILHLYDKGGIEQTI CMLDGVFAFVLLDTANKKVFLGRDYGVRPLFKAMTEDGFLAVCSEAKGLVTLKHS ATPFLKVEPFLPGHYEVLDPNGKVASVEMVKYHHRDEPLHALYDNVEKLFPGF EIEVTKNNLRILFNNAVKKRLMTDRRIGCLLSGGLDSSLVAATLLKQLKEAQVQYPLQ TFAIGMEDSPDLLAARKVADHIGSEHYEVLNSEEIGIALDEVIFSLETYDITTVRASV GMYLISKYIRKNTDSVVIFSGEGSDELTTQGYIYFHKAPSPEKAEESERLLRELYLFDV LRADRTTAAHGLELRVPFLDHRFSSYYLSLPPEMRIPKNGIEKHLLRETFEDSNLIPKE</p>

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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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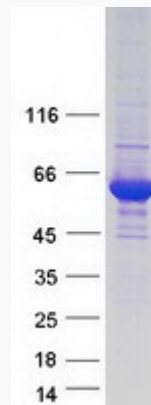
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MIM 108370

UniProt ID P08243

SDS-PAGE



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