

Product datasheet for **SC120500**

Asparagine synthetase (ASNS) (NM_133436) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asparagine synthetase (ASNS) (NM_133436) Human Untagged Clone
Tag:	Tag Free
Symbol:	Asparagine synthetase
Synonyms:	ASNSD; TS11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC120500 sequence for NM_133436 edited (data generated by NextGen Sequencing)

```

ATGTGTGGCATTGGGCGCTGTTTGGCAGTGATGATTGCCTTTCTGTTCAAGTGTCTGAGT
GCTATGAAGATTGCACACAGAGGTCCAGATGCATTCCGTTTTGAGAATGTCAATGGATAC
ACCAACTGCTGCTTTGGATTTACCCGGTTGGCGGTAGTTGACCCGCTGTTTGGAAATGCAG
CCAATTCGAGTGAAGAAATATCCGTATTTGTGGCTCTGTTACAATGGTGAATCTACAAC
CATAAGAAGATGCAACAGCATTTTGAATTTGAATACCAGACCAAAGTGGATGGTGAGATA
ATCCTTCATCTTTATGACAAAGGAGGAATTGAGCAAACAATTTGTATGTTGGATGGTGTG
TTTGCATTTGTTTTACTGGATACTGCCAATAAGAAAGTGTTCCTGGGTAGAGATACATAT
GGAGTCAGACCTTTGTTAAAGCAATGACAGAAGATGGATTTTTGGCTGTATGTTCAAGAA
GCTAAAGGTCTTGTACATTGAAGCACTCCGCGACTCCCTTTTTAAAAGTGGAGCCTTTT
CTTCTGGACACTATGAAGTTTTGGATTTAAAGCCAAATGGCAAAGTTCATCCGTGGAA
ATGGTTAAATATCATCACTGTCGGGATGAACCCCTGCACGCCCTCTATGACAATGTGGAG
AAACTCTTCCAGGTTTTGAGATAGAACTGTGAAGAACAACCTCAGGATCCTTTTTAAT
AATGCTGTAAGAAACGTTTTGATGACAGACAGAAGGATTGGCTGCCTTTATCAGGGGGC
TTGGACTCCAGCTTGGTTGCTGCCACTCTGTTGAAGCAGCTGAAAGAAGCCCAAGTACAG
TATCCTCTCCAGACATTTGCAATTGGCATGGAAGACAGCCCCGATTTACTGGCTGCTAGA
AAGGTGGCAGATCATATTGGAAGTGAACATTATGAAGTCTTTTTAACTCTGAGGAAGGC
ATTCAGGCTCTGGATGAAGTCATATTTTCTTGGAAACTTATGACATTACAACAGTTCGT
GCTTCAGTAGGTATGATTTAATTTCCAAGTATATTCGGAAGAACACAGATAGCGTGGTG
ATCTTCTCTGGAGAAGGATCAGATGAACTACGCAGGGTTACATATATTTTACAAGGCT
CCTTCTCTGAAAAGCCGAGGAGGAGAGTGAGAGGCTTCTGAGGGAAGTCTATTTGTTT
GATGTTCTCCGCGCAGATCGAACTACTGCTGCCATGGTCTTGAAGTGAAGTCCCATT
CTAGATCATCGATTTTCTTCTATTACTTGTCTCTGCCACCAGAAATGAGAATTCCAAAG
AATGGGATAGAAAACATCTCCTGAGAGAGACGTTTGAAGATTCCAATCTGATACCCAAA
GAGATTCTCTGGCGACCAAAAAGAAGCCTTCAGTGATGGAATAACTTCAGTTAAGAATTCC
TGGTTTAAAGATTTTACAGGAATACGTTGAACATCAGGTTGATGATGCAATGATGGCAAT
GCAGCCCAGAAATTTCCCTTCAATACTCCTAAAACCAAAGAAGGATATTACTACCGTCAA
GTCTTTGAACGCCATTACCCAGGCCGGGCTGACTGGCTGAGCCATTACTGGATGCCCAAG
TGGATCAATGCCACTGACCCTTCTGCCCGACGCTGACCCACTACAAGTCAGCTGTCAA
GCTTAG
    
```

Clone variation with respect to NM_133436.3
629 t=>a

5' Read Nucleotide Sequence: >OriGene 5' read for NM_133436 unedited

```

TGCTACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGATCACCCCTGACCTGCTTA
CGCCAGATTTTCTTCAATCACATCTGAATAAATCACTTGAAGAAAGCTTATAGCTTCAT
TGACCATGTGTGGCATTGGGGCTGTTTGGCAGTGATGATTGCCTTTCTGTTCAAGTGT
CTGAGTGCATGAAGATTGCACACAGAGGTCCAGATGCATTCCGTTTTGAGAATGTCAAT
GGATACACCAACTGCTGCTTTGGATTTACCCGGTTGGCGGTAGTTGACCCGCTGTTTGG
ATGCAGCCAATTCGAGTGAAGAAATATCCGTATTTGTGGCTCTGTTACAATGGTGAATC
TACAACATAAGAAGATGCAACAGCATTTTGAATTTGAATACCAGACCAAAGTGGATGGT
GAGATAATCCTTCATCTTTATGACAAAGGAGGAATTGAGCAAACAATTTGTATGTTGGAT
GGTGTGTTTGCAATTTGTTTTACTGGATACTGCCAATAAGAAAGTGTTCCTGGGTAGAGAT
ACATATGGAGTCAGACCTTTGTTTAAAGCAATGACAGAAGATGGATTTTTGGCTGTATGT
TCAGAAGCTAAAGTCTTGTACATTGAAGCACTCCGCGACTCCCTTTTTAAAAGTGGAG
CCTTTTCTTCTGGACACTATGAAGTNTGGATTTAAAGCCCAAATGGCAAGTTGCATCC
GTGGAAATGGTTAAATATCATCACTGTCGGGATGAACCCCTGCACGCCCTTCTATGACAT
GTGGAGAACTCTTNTCCAGTTTTGAGATAGAACTGTGAAGAACAACCTCAGNATCCTT
TTTAAATATGCTGTAAGAAACGTTTTGATGACAGAAGAAGGATNGGCTGCCTTTATCAGG
GGGCTNNGNACTACCTTGNTGCTGCCCTCTGTTGAGCAN
    
```


RefSeq Size:	2348 bp
RefSeq ORF:	1686 bp
Locus ID:	440
UniProt ID:	P08243
Cytogenetics:	7q21.3
Domains:	GATase_2, Asn_synthase
Protein Families:	Druggable Genome
Protein Pathways:	Alanine, aspartate and glutamate metabolism, Metabolic pathways, Nitrogen metabolism
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) is the longest variant. Variants 1, 2, 3, and 7 encode the same isoform (a).</p>