

## Product datasheet for **TP315380M**

### Asparagine synthetase (ASNS) (NM\_133436) Human Recombinant Protein

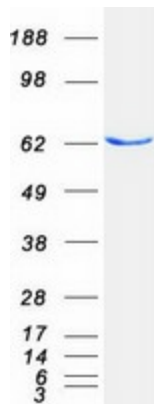
#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human asparagine synthetase (ASNS), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215380 representing NM_133436 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MCGIWALFGSDDCLSVQCLSAMKIAHRGPDAFRFENVNGYTNCCFGFHRLAWDPLFGMQPIRVKYPYL WLCYNGEIYNHKKMQQHFEFEYQTKVDGEIILHLYDKGGIEQTICMLDGVFAFVLLDTANKKVFLGRD TYGVRPLFKAMTEDGFLAVCSEAKGLVTLKHSATPFLKVEPFLPGHYEVLDPKNGKVASVEMVKYHHRDE PLHALYDNVEKLFPGFEIETVKNNLRILFNNAVKKRLMTDRRIGCLLSGGLDSSLVAATLLKQLKEAQVQ YPLQTF AIGMEDSPDLLAARKVADHIGSEHYEVLNSEEQIQLDEVIFSL ETYDITTVRASVGMYLISK YIRKNTDSVIVFSGEGSDEL TQGYIYFHKAPSPEKAEESERLLRELYLFDVLRADRTTAAHGLELRV PFLDHRFSSYYLSLPPEMRIPKNGIEKHLLRETFEDSNLIPKEILWRPKEAFSDGITSVKNSWFKILQ EYVHQVDDAMMANAAQKFPFNTPKTKEGYYRQVFERHYPGRADWLSHYWMPKWINATDPSARTLTHYKSAV A  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	64.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_597680</a>
<b>Locus ID:</b>	440
<b>UniProt ID:</b>	<a href="#">P08243</a>
<b>RefSeq Size:</b>	2348
<b>Cytogenetics:</b>	7q21.3
<b>RefSeq ORF:</b>	1683
<b>Synonyms:</b>	ASNSD; TS11
<b>Summary:</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>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Alanine, aspartate and glutamate metabolism, Metabolic pathways, Nitrogen metabolism

**Product images:**

Coomassie blue staining of purified ASNS protein (Cat# [TP315380]). The protein was produced from HEK293T cells transfected with ASNS cDNA clone (Cat# [RC215380]) using MegaTran 2.0 (Cat# [TT210002]).