

## Product datasheet for PH301838

### Asparagine synthetase (ASNS) (NM\_183356) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ASNS MS Standard C13 and N15-labeled recombinant protein (NP_899199)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201838
Predicted MW:	64.4 kDa
Protein Sequence:	>RC201838 protein sequence Red=Cloning site Green=Tags(s)

MCGI WALFGSDDCLSVQCLSAMKIAHRGPDAFRFENVNGYTNCCFGHRLAVVDPLFGMQPIRVKKYPYL  
WLCYNGEIYNHKKMQQHFEFYQTKVDGEIILHLYDKGGIEQTICMLDGVFAFVLLDTANKKVFLGRD  
Y GVRPLFKAMTEDGFLAVCSEAKGLVTLKHSATPFLKVEPFLPGHYEVLDLKPNGKVASVEMVKYHHC  
RDE PLHALYDNVEKLFPGFEIETVKNNLRILFNNAVKKRLMTRRIGCLLGGLDSSLVAATLLKQLKEA  
QVQ YPLQTF AIGMEDSPDLLAARKVADHIGSEHYEVLFNSEEGIQALDEVIFSL ETYDITTVRASV  
GMYLISK YIRKNTDSVVIFSGEGSDEL TQGYIYFHKAPSPEKAEESERLLRELYLFDVLRADRT  
TAAHGLELRVPF LDHRFSSYYLSLPPEMRIPKNGIEKHLRET FEDSNLIPKEILWRPKEAFSDG  
ITSVKNSWFKILQEYVE HQVDDAMMANAAQKFPFNTPKTKEGYRQVFERHYGRADWLSHYWMPK  
WINATDPSARTLTHYKSAVKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_899199</a>
RefSeq Size:	2362
RefSeq ORF:	1683



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**Synonyms:** ASNSD; TS11

**Locus ID:** 440

**UniProt ID:** [P08243](#)

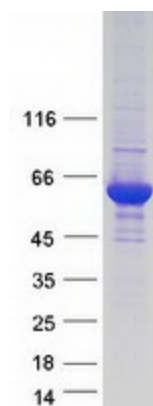
**Cytogenetics:** 7q21.3

**Summary:** 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]

**Protein Families:** Druggable Genome

**Protein Pathways:** Alanine, aspartate and glutamate metabolism, Metabolic pathways, Nitrogen metabolism

### Product images:



Coomassie blue staining of purified ASNS protein (Cat# [TP301838]). The protein was produced from HEK293T cells transfected with ASNS cDNA clone (Cat# [RC201838]) using MegaTran 2.0 (Cat# [TT210002]).