

## Product datasheet for TP301297

### Asparagine synthetase (ASNS) (NM\_001673) Human Recombinant Protein

#### Product data:

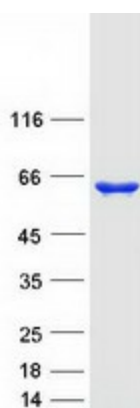
|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human asparagine synthetase (ASNS), transcript variant 2, 20 µg  |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC201297 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)  |
|                                       | <br>MCGIWALFGSDDCLSVQCLSAMKIAHRGPDAFRFENVNGYTNCCFGFHRLAWDPLFGMQPIRVKKYPY<br>L<br>WLCYNGEIYNHKKMQQHFEFEYQTKVDGEIILHLYDKGGIEQTICMLDGVFAFVLLDTANKKVFLGRDTY<br>GVRPLFKAMTEDGFLAVCSEAKGLVTLKHSATPFLKVEPFLPGHYEVLDLKPNKVASVEMVKYHHCRDV<br>PLHALYDNVEKLFPGFEIETVKNLRLFNNAVKKRLMTDRRIGCLLSGGLDSSLVAATLLKQLKEAQVQ<br>YPLQTFAIMEDSPDLLAARKVADHIGSEHYEVLFNSEEGIQALDEVIFSLETYDITTVRASVGMYLISK<br>YIRKNTDSVVIFSGEGSDEL TQGYIFHKAPSPEKAEESERLLRELYLFDVLRADRTTAAHGLELRVFP<br>LDHRFSSYYLSLPPEMRIPKNGIEKHLLRETFEDSNLIPKEILWRPKEAFSDGITSVKNSWFKILQEYVE<br>HQVDDAMMANAAQKFPFNTPKTKEGYYYRQVFERHYPGRADWLSHYWMPKWINATDPSARTLTHYKS<br>AVK<br>A<br><br><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_001664</a>   |
| <b>Locus ID:</b>         | 440   |
| <b>UniProt ID:</b>       | <a href="#">P08243</a>  |
| <b>RefSeq Size:</b>      | 2084  |
| <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# TP301297). The protein was produced from HEK293T cells transfected with ASNS cDNA clone (Cat# [RC201297]) using MegaTran 2.0 (Cat# [TT210002]).