

Product datasheet for **TP301297M**

Asparagine synthetase (ASNS) (NM_001673) Human Recombinant Protein

Product data:

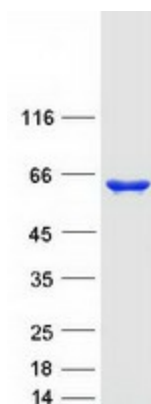
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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human asparagine synthetase (ASNS), transcript variant 2, 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC201297 protein sequence Red =Cloning site Green =Tags(s) |
| | <p>MCGIWALFGSDDCLSVQCLSAMKIAHRGPDAFRFENVNGYTNCCFGFHRLAWDPLFGMQPIRVKKYPYL WLCYNGEIYNHKKMQQHFEFEYQTKVDGEIILHLYDKGGIEQTICMLDGVFAFVLLDTANKKVFLGRD GVRPLFKAMTEDGFLAVCSEAKGLVTLKHSATPFLKVEPFLPGHYEVLDPKPNGKVASVEMVKYHHCRDV PLHALYDNEKLFPGFEIETVKNNLRILFNNAVKKRLMTDRRIGCLLSGGLDSSLVAATLLKQLKEAQVQ YPLQTFIAGMEDSPDLLAARKVADHIGSEHYEVLNSEEIGIQLDEVIFSLETYDITTVRASVGMYLISK YIRKNTDSVIVFSGEGSDELQGYIYFHKAPSPEKAEESERLLRELYLFDVLRADRTTAAHGLELRVPP LDHREFSSYYLSLPPEMRIPKNGIEKHLLRETFEDSNLIPKEILWRPKEAFSDGITSVKNSWFKILQEYVE HQVDDAMMANAAQKFPFNTPKTKEGYYRQVFERHYPGRADWLSHYWMPKWINATDPSARTLTHYKSAVK A</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| 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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| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_001664 |
| Locus ID: | 440 |
| UniProt ID: | P08243 |
| RefSeq Size: | 2084 |
| Cytogenetics: | 7q21.3 |
| RefSeq ORF: | 1683 |
| Synonyms: | ASNSD; TS11 |
| 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# [TP301297]). The protein was produced from HEK293T cells transfected with ASNS cDNA clone (Cat# [RC201297]) using MegaTran 2.0 (Cat# [TT210002]).