

## Product datasheet for **SC319361**

### Aspartyl Aminopeptidase (DNPEP) (NM\_012100) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Aspartyl Aminopeptidase (DNPEP) (NM_012100) Human Untagged Clone
Tag:	Tag Free
Symbol:	Aspartyl Aminopeptidase
Synonyms:	ASPEP; DAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_012100.1  
 GTGGGGCGGGCCGAGCCCGAGGCCAGATGAGCGGACACAGCCCCACGCGCGGGGCCAT  
 GCAGGTGGCCATGAACGGTAAGGCCCGCAAAGAGGCGGTGCGACTGCGGCTAAGGAACT  
 CCTCAAGTTCGTGAACCGGAGTCCCTCTCCTTTCCATGCTGTGGCTGAATGCCGCAACCG  
 CCTTCTCCAGGCTGGCTTCAAGTCAAGGAGACTGAGAAATGGAATATTAAGCCCGA  
 GAGCAAGTACTTCATGACCAGGAACTCCTCCACCATCATAGCTTTTGTGTAGGGGGCCA  
 GTACGTTCTGGCAATGGCTTCAGCCTCATCGGGGCCACACGGACAGCCCTGCCTCCG  
 GGTGAAACGTGCGTCTCGCCGACGCCAGGTGGGCTTCCAGCAAGTCGGTGTGGAGACCTA  
 TGGTGGTGGGATCTGGAGCACCTGGTTTACCCTGACCTGACTCTGGCTGGACGCGTCAT  
 TGTCAAGTGCCCTACCTCAGGTGCGCTGGAGCAGCAGCTGGTGCACGTGGAGCGGCCAT  
 TCTTCGCATCCCACACCTGGCCATCCATCTGCAGCGAAATATCAACGAGAACTTTGGGCC  
 CAACACAGAGATGCATCTAGTCCCCATTCTTGCCACAGCCATCCAGGAGGAGCTGGAGAA  
 GGGGACTCCTGAGCCAGGGCCTCTCAATGCTGTGGATGAGCGGCACCATTGCGTCCTCAT  
 GTCCCTGCTCTGTGCCATCTGGGGCTGAGCCCCAAGGACATAGTGGAGATGGAGCTCTG  
 CCTTGCAGACACCCAGCCTGCGGTCTTGGGTGGTGCCTATGATGAGTTCATCTTTGCTCC  
 TCGGCTGGACAATCTGCACAGCTGCTTCTGTGCCCTGCAGGCCTTGATAGATTCTGTGC  
 AGGCCCTGGCTCCCTGGCCACAGAGCCTCACGTGCGCATGGTCACACTCTATGACAACGA  
 AGAGGTGGGGTCTGAGAGTGACAGGGAGCACAGTCACTGCTGACAGAGCTGGTGTGCG  
 GCGGATCTCAGCCTCGTGCCAGCACCCGACAGCCTTCGAGGAAGCCATACCCAAGTCCTT  
 CATGATCAGCGCAGACATGGCCCATGCTGTGCATCCCACTACCTGGACAAGCATGAGGA  
 GAACCACCGGCCCTTATCCACAAGGGCCCCGTGATCAAGGTGAACAGCAAGCAACGCTA  
 TGCTTCAAACGCGGTGTCAGAGGCCCTGATCCGAGAGGTGGCCAAACAAGTCAAGGTCCC  
 CCTGCAGGATCTCATGGTCCGGAATGACACCCCTGTGGAACCAACCATTGGACCTATCTT  
 GGCTTCTCGGCTGGGGCTGCGGGTGTGGATTTAGGCAGCCCCCAACTGGCCATGCACCT  
 TATCCGGGAGATGGCCTGCACCACAGGAGTCTCCAGACCCTCACCTCTTCAAGGGCTT  
 CTTTGAGCTGTTCCCTTCTAAGCCATAATCTCTTAGTGGATTGAGCCCTCTTGAAAAG  
 ACTTCTCTGCCATCCCTTGCACCTGAGAGGGGAAGTTCTCAGCTGAGCTGAAGCTGGAT  
 TATTAAGTGGATTGCACTCAGACTCTCCGTGCTACGCTATTTGGAGACTAGAGGAGT  
 GGGAGTTGAGCCTGGCTTGAACCTTTGGAACCAGAAAAGTTGGGGAGCAGGTGGAGGAGG  
 CCACACTCTGGAGCTGATGGTTTTAAATCTGGTTTTAAATCTCAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_012100

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_012100.1](#), [NP\\_036232.1](#)

**RefSeq Size:** 1696 bp

**RefSeq ORF:** 1428 bp

**Locus ID:** 23549

**UniProt ID:** [Q9ULA0](#)

**Cytogenetics:** 2q35

**Domains:** Peptidase\_M18

**Protein Families:** Druggable Genome, Protease

**Gene Summary:** The protein encoded by this gene is an aminopeptidase which prefers acidic amino acids, and specifically favors aspartic acid over glutamic acid. It is thought to be a cytosolic protein involved in general metabolism of intracellular proteins. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]  
Transcript Variant: This variant (3) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (c) has a shorter and distinct N-terminus compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.