

## Product datasheet for **SC207299**

### CD13 (ANPEP) (NM\_001150) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** CD13 (ANPEP) (NM\_001150) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** ANPEP  
**Synonyms:** APN; CD13; GP150; LAP1; P150; PEPN  
**ACCN:** NM\_001150  
**Insert Size:** 484 bp  
**Insert Sequence:** >SC207299 3'UTR clone of NM\_001150  
The sequence shown below is from the reference sequence of NM\_001150. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTCCAGTGGTTACAGAAAACAGCAAAATAGTCCCCAGCCCTTGAAGTCACCCGGCCCCCATGCAAGGTG
CCCACATGTGTCCATCCCAGCGGCTGGTGCAGGGCCTCCATTCTGGAGCCCAGGACCCAGTGTCTC
CCCTCAAGGACAAAGTCTCCAGCCACGTTCTCTGCTGTGAGCCAGTCTAGTTCTGATGACCCAG
GCTGCCTGAGCACCTCCAGCCCTGCCCTCATGCCAACCCCGCCCTAGGCCTGGCATGGCACCTGTC
GCCAGTGCCCTGGGGCTGATCTCAGGGAAGCCAGCTCCAGGGCCAGATGAGCAGAAGCTCTCGATGG
ACAATGAACGGCCTTGCTGGGGCCGCCCTGTACCCTTTTCACCTTTCCCTAAAGACCCTAAATCTGA
GGAATCAACAGGGCAGCAGATCTGTATATTTTTTCTAAGAGAAAATGTAATAAAGGATTTCTAGATGA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001150.3](#)



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**Summary:**

Aminopeptidase N is located in the small-intestinal and renal microvillar membrane, and also in other plasma membranes. In the small intestine aminopeptidase N plays a role in the final digestion of peptides generated from hydrolysis of proteins by gastric and pancreatic proteases. Its function in proximal tubular epithelial cells and other cell types is less clear. The large extracellular carboxyterminal domain contains a pentapeptide consensus sequence characteristic of members of the zinc-binding metalloproteinase superfamily. Sequence comparisons with known enzymes of this class showed that CD13 and aminopeptidase N are identical. The latter enzyme was thought to be involved in the metabolism of regulatory peptides by diverse cell types, including small intestinal and renal tubular epithelial cells, macrophages, granulocytes, and synaptic membranes from the CNS. This membrane-bound zinc metalloprotease is known to serve as a receptor for the HCoV-229E alphacoronavirus as well as other non-human coronaviruses. This gene has also been shown to promote angiogenesis, tumor growth, and metastasis and defects in this gene are associated with various types of leukemia and lymphoma. [provided by RefSeq, Apr 2020]

**Locus ID:**

290

**MW:**

17.5