

Product datasheet for **SC331360**

Carboxypeptidase D (CPD) (NM_001199775) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Carboxypeptidase D (CPD) (NM_001199775) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPD
Synonyms:	GP180
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331360 representing NM_001199775. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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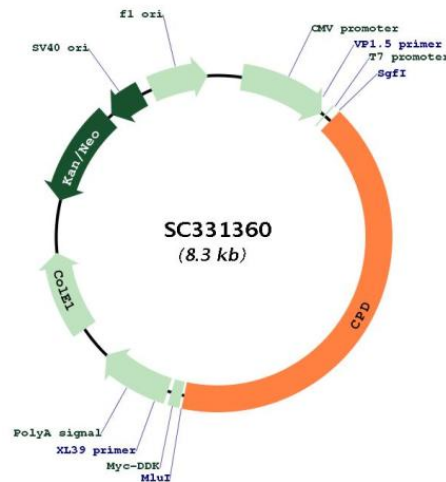
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Restriction Sites:

SgfI-MluI

Plasmid Map:



ACCN:

NM_001199775

Insert Size:

3402 bp

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).

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:	<ol style="list-style-type: none">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:	<u>NM_001199775.1</u>
RefSeq Size:	8422 bp
RefSeq ORF:	3402 bp
Locus ID:	1362
UniProt ID:	<u>Q75976</u>
Cytogenetics:	17q11.2
Protein Families:	Druggable Genome, Protease, Transmembrane
MW:	126.5 kDa
Gene Summary:	<p>The metalloproteinase family of enzymes is divided into 2 subfamilies based on sequence similarities. The pancreatic carboxypeptidase-like and the regulatory B-type carboxypeptidase subfamilies. Carboxypeptidase D has been identified as a regulatory B-type carboxypeptidase. CPD is a homolog of duck gp180, a hepatitis B virus-binding protein. Transcript variants utilizing alternative polyadenylation signals exist for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding region and uses an alternate start codon compared to variant 1. The resulting protein (isoform 2) is shorter and has a distinct N-terminus compared to isoform 1. 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.</p>