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Product datasheet for SC118956

CD26 (DPP4) (NM_001935) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD26 (DPP4) (NM_001935) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD26
Synonyms:	ADABP; ADCP2; CD26; DPPIV; TP103
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>SC118956 representing NM_001935.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001935 unedited
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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_001935 unedited
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CATCCTCCCCCTTCTCTCCCCCTCCTTATTTTACCCCCCCCCCCTCC
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Restriction Sites: NotI-NotI

ACCN: NM_001935

Insert Size: 3514 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:
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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001935.3

RefSeq Size: 3913 bp

RefSeq ORF: 3514 bp

Locus ID: 1803

UniProt ID: P27487

Cytogenetics:	2q24.2
Domains:	Peptidase_S9, DPPIV_N_term
Protein Families:	Druggable Genome, Protease, Secreted Protein, Transmembrane
MW:	135.3 kDa
Gene Summary:	The DPP4 gene encodes dipeptidyl peptidase 4, which is identical to adenosine deaminase complexing protein-2, and to the T-cell activation antigen CD26. It is an intrinsic type II transmembrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides. Dipeptidyl peptidase 4 is highly involved in glucose and insulin metabolism, as well as in immune regulation. This protein was shown to be a functional receptor for Middle East respiratory syndrome coronavirus (MERS-CoV), and protein modeling suggests that it may play a similar role with SARS-CoV-2, the virus responsible for COVID-19. [provided by RefSeq, Apr 2020]