

Product datasheet for **MC200935**

Dpp4 (BC022183) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpp4 (BC022183) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dpp4
Synonyms:	Cd26; Dpp-4; THAM
Vector:	<u>PCMV6-Kan/Neo</u>
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF:

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>BC022183
CCACGCGTCCGGTCTCTTTAGCAAAGGGGGTTCGCTGTTCCCCTTATCCCTCACTCATGGGGGCCCTGC
GTGCTACTTCTGGCTCGCCTAGTGGTCTACCGCGCTGGGTGGCTGCCCGCGCTCACACTGTGCACC
GAAGCCCCTTGGCCTAACTAATGTTAACTCAGGCCGAAACTTGGCGCGAGCTCAGGGTGACTGCGT
GCAGAGCAGCGCGCAGGACGTCTGTCTCGCGCAGTGACTTTCGCTGCGCTCAAGCTACAGAGTTC
AGTTTCAAGGAGCCGCCGACCATGAAGACACCGTGAAGGTTCTTCTGGGACTGCTTGGTGTGCGTGAA
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CGTATTCAGTACTAGTACTATTTAAAGAGTACCTTTCGGGTCAAGTCTACTCTTTGGTGGGTTTCAGA
CTTTGAATACCTCTACAAACAAGAGAACAATATCTTGCTGCTCAATGCTGAACATGGAAACAGCTCCATT
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CATAGCTCTCCATAGCTTATTTAAGACCACATTTGTTCTCATTATCTCAAAGTGCAGTGTAAAGATGAA
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TGTGCTTTTGAATACCGATGTCTCCTAGTGAAGAGGCAGCTTGGAAACATATCGACTTGCCTGTT
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TTCTTTGAGCATTTAATTAATAATTTAACTTCAAAAAAAAAAAAAAAAAAG
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Restriction Sites:	RsrII-NotI
ACCN:	BC022183
Insert Size:	2283 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:	BC022183 , AAH22183
RefSeq Size:	3482 bp
RefSeq ORF:	2283 bp
Locus ID:	13482
Cytogenetics:	2 35.85 cM
Gene Summary:	<p>Cell surface glycoprotein receptor involved in the costimulatory signal essential for T-cell receptor (TCR)-mediated T-cell activation. Acts as a positive regulator of T-cell coactivation, by binding at least ADA, CAV1, IGF2R, and PTPRC. Its binding to CAV1 and CARD11 induces T-cell proliferation and NF-kappa-B activation in a T-cell receptor/CD3-dependent manner. Its interaction with ADA also regulates lymphocyte-epithelial cell adhesion. In association with FAP is involved in the pericellular proteolysis of the extracellular matrix (ECM), the migration and invasion of endothelial cells into the ECM. May be involved in the promotion of lymphatic endothelial cells adhesion, migration and tube formation. When overexpressed, enhanced cell proliferation, a process inhibited by GPC3. Acts also as a serine exopeptidase with a dipeptidyl peptidase activity that regulates various physiological processes by cleaving peptides in the circulation, including many chemokines, mitogenic growth factors, neuropeptides and peptide hormones. Removes N-terminal dipeptides sequentially from polypeptides having unsubstituted N-termini provided that the penultimate residue is proline. [UniProtKB/Swiss-Prot Function]</p>