

Product datasheet for **RN206807**

Asphd2 (NM_001009716) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Asphd2 (NM_001009716) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Asphd2
 Synonyms: RGD1306020
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN206807 representing NM_001009716
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCTGGAGTGGCTGGTAGCCTGGAGCTGGTCTCTGGACGGCCTGAGGGACTGCATCGCCACTGGTA
 TCCAGTCCGTGCGGGACTGTGACGGCACAGCTGTCATCACTGTGGCCTGCCTGCTCGTCTTGTGGTGTG
 GTACTGTTACCATGTGGCCGAGAACAGCCCCGACCCACGTATCCGTCAACTCCCTCCTGCAGGGTGTG
 GATGCCAACGGGTTACAGAACGGATCCATGTACTGCCAGTCCCCTGAGTGTGTGCCGTGCACGCACCACG
 ACGGCCTCAACCAGAAGCTCTACCACAACCTGCAGGAGTACGCCAAGCGCTACTCATGGTCTGGCATGGG
 CCGTATCCACAAGGGCATACGGGAGCAGGGCCGCTACCTCAGCAGCCAGCCCTCTATCCAGAAGCCGGAG
 GTCTTCTCCTGCCTGACCTCCCCACTACGCCCTACTTCCCCAGGGACGCCCAGAAGCACGATGTGGAGC
 TGCTGGAGCGGAACCTCCAGGCCATCCTCTGCGAGTTCGAGGCACTCTACAAAGCCTTCTCTAACTGCAG
 CCTCCCTCAGGGGTGAAAGTGAACAGCACCCCCAGCGGGGAGTGGTTCACCTTTGACTTTGTGACGCCAG
 GGCGTTTGTGTCCCAGGAAGTGCAGGAAGTGCCTCGGACTTACCGCTTACTCGGCAGCCTCCGGACCT
 GTATTGGGAACAATGTTTTCGGGAACGCCTGCATCTCAGTGTGAGTCTGGGACCGTGATCACGGAGCA
 CTATGGGCCACAAACATCCGAATCCGGTGCCACCTAGGTCTGAAGACTCCCAATGGCTGCGAGCTGGTG
 GTGGGGGTGAGCCCCAGTGTGGCAGAAAGCCGATGCCTACTCTTCGACGACTCCTTCTGCACACCT
 CGTTCCATGAAGTTCTGCTGAGGATGGCCACGGGTGGTCTTCATGGTGGACCTCTGGCACCCCAACGT
 GGCAGCTGCTGAACGTCAGGCCCTGGATTTTCATCTTTGCTCCAGGACGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001009716



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Insert Size:	1032 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_001009716.1</u> , <u>NP_001009716.1</u>
RefSeq Size:	1916 bp
RefSeq ORF:	1032 bp
Locus ID:	364948
UniProt ID:	<u>Q5HZW3</u>
Cytogenetics:	12q16
Gene Summary:	May function as 2-oxoglutarate-dependent dioxygenase.[UniProtKB/Swiss-Prot Function]