

## Product datasheet for **SC335870**

### Dopamine Receptor D3 (DRD3) (NM\_001282563) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dopamine Receptor D3 (DRD3) (NM\_001282563) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** DRD3  
**Synonyms:** D3DR; ETM1; FET1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC335870 representing NM\_001282563.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

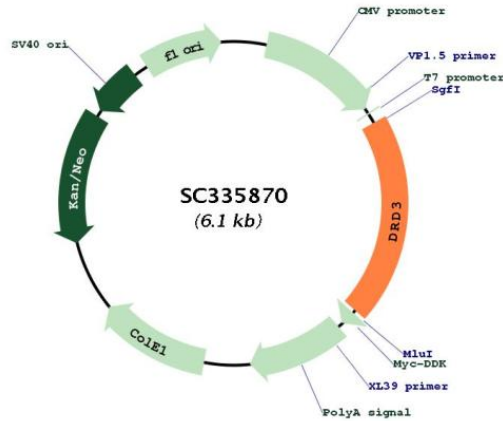
```
ATGGCATCTCTGAGCCAGCTGAGTGGCCACCTGAACTACACCTGTGGGGCAGAGAACTCCACAGGTGCC
AGCCAGGCCCGCCACATGCCTACTATGCCCTCCTACTGCGCGCTCATCCTGGCCATCGTCTTCGGC
AATGGCCTGGTGTGCATGGCTGTGCTGAAGGAGCGGGCCCTGCAGACTACCACCAACTACTTAGTAGTG
AGCCTGGCTGTGGCAGACTTGTGGTGGCCACCTGGTGTATGCCCTGGTGGTATACCTGGAGGTGACA
GGTGGAGTCTGGAATTTAGCCGATTTGCTGTGATGTTTTGTACCCTGGATGTCATGATGTGTACA
GCCAGCATCCTTAATCTCTGTGCCATCAGCATAGACAGGTACACTGCAGTGGTTCATGCCCGTTCCTAC
CAGCATGGCAGCGGACAGAGCTCCTGTCGGCGCGTGGCCCTCATGATCACGGCCGCTGGGTACTGGCC
TTTGCTGTGTCCTGCCCTCTTCTGTTTGGCTTTAATACCAGGGGACCCCACTGTCTGCTCCATCTCC
AACCTGATTTTGTATCTACTCTTCAAGTGGTGTCTTCTACCTGCCCTTGGAGTGACTGTCTTGTGTC
TATGCCAGAATCTATGTGGTGTGAAACAAAGGAGACGGAAAAGGATCCTCACTCGACAGAACAGTCAG
TGCAACAGTGTGAGCCCTGGCTTCCCCAACAAACCTCTCTCCTGACCCGGCACATCTGGAGCTGAAG
CGTTACTACAGCATCTGCCAGGACACTGCCTTGGGTGGACCAGGCTTCCAAGAAAGAGGAGAGAGTTG
AAAAGAGAGGAGAAGACTCGGAATTCCTGAGTCCCACCATAGCGCCCAAGCTCAGCTTAGAAGTTCTGA
AAACTCAGCAATGCGAGATTATCGACATCTTGAAGCTGGGGCCCTGCAACCTCGGGGAGTGCCACTT
CGGGAGAAGAAGGCAACCCAAATGGTGGCCATTGTGCTTGGGGCCTTATTGTCTGCTGGCTGCCCTTC
TTCTTGACCCATGTTCTCAATACCCACTGCCAGACATGCCACGTGTCCTCCAGAGCTTTACAGTGCCACG
ACATGGCTGGGCTACGTGAATAGCGCCCTCAACCTGTGATCTATACCACCTCAATATCGAGTTCCGG
AAAGCCTTCTCAAGATCCTGTCTTGTGA
```

**Restriction Sites:** SgfI-MluI



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Plasmid Map:



ACCN: NM\_001282563

Insert Size: 1203 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.

RefSeq: [NM\\_001282563.2](#)

RefSeq Size: 1557 bp

RefSeq ORF: 1203 bp

|                          |   |
|--------------------------|---|
| <b>Locus ID:</b>         | 1814  |
| <b>UniProt ID:</b>       | <a href="#">P35462</a>  |
| <b>Cytogenetics:</b>     | 3q13.31   |
| <b>Protein Families:</b> | Druggable Genome, GPCR, Transmembrane   |
| <b>Protein Pathways:</b> | Neuroactive ligand-receptor interaction   |
| <b>MW:</b>               | 44.2 kDa  |
| <b>Gene Summary:</b>     | <p>This gene encodes the D3 subtype of the five (D1-D5) dopamine receptors. The activity of the D3 subtype receptor is mediated by G proteins which inhibit adenylyl cyclase. This receptor is localized to the limbic areas of the brain, which are associated with cognitive, emotional, and endocrine functions. Genetic variation in this gene may be associated with susceptibility to hereditary essential tremor 1. Alternative splicing of this gene results in transcript variants encoding different isoforms, although some variants may be subject to nonsense-mediated decay (NMD). [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (f) differs in the 5' UTR compared to variant a. Variants a, f and g encode the same isoform (a).</p> |