

Product datasheet for **SC302440**

PDE8B (NM_001029853) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PDE8B (NM_001029853) Human Untagged Clone
Tag:	Tag Free
Symbol:	PDE8B
Synonyms:	ADSD; PPNAD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



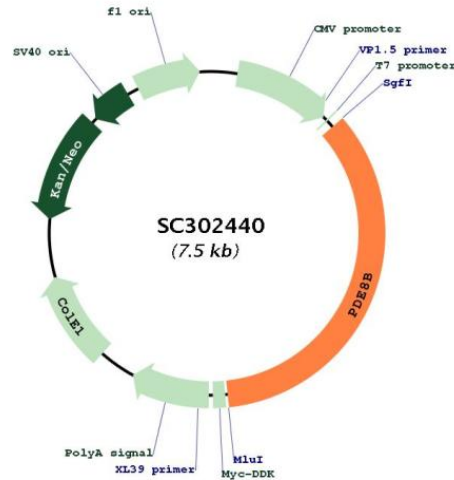
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Fully Sequenced ORF: >SC302440 representing NM_001029853.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001029853

Insert Size: 2598 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001029853.2](#)

RefSeq Size: 4345 bp

RefSeq ORF: 2598 bp

Locus ID: 8622

UniProt ID: [O95263](#)

Cytogenetics: 5q13.3

Protein Families:	Druggable Genome
Protein Pathways:	Progesterone-mediated oocyte maturation, Purine metabolism
MW:	96.8 kDa
Gene Summary:	<p>The protein encoded by this gene is a cyclic nucleotide phosphodiesterase (PDE) that catalyzes the hydrolysis of the second messenger cAMP. The encoded protein, which does not hydrolyze cGMP, is resistant to several PDE inhibitors. Defects in this gene are a cause of autosomal dominant striatal degeneration (ADSD). Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2010]</p> <p>Transcript Variant: This variant (4) lacks an alternate in-frame exon compared to variant 1. The encoded isoform (4) is shorter 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>