

Product datasheet for **RR200955**

Smpdl3b (NM_001025737) Rat Tagged ORF Clone

Product data:

| | |
|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Smpdl3b (NM_001025737) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Smpdl3b |
| Synonyms: | MGC116117 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

ORF Nucleotide Sequence:

>RR200955 representing NM_001025737
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGCTGCTCGGGTGGCTGATATTCCTGGCTTCTGGGGAGTCGACGGGGCTGAATTAGGGAGTTCT
 GGCACATCTCCGACCTCCATCTGGACCCCAACTACACAGTATCCAAGACCCCTCCGGGTGTGCCGTC
 AGCCGGCTCCCAGCCCGTCTAAATGCAGGCCCTGGGGTACTACCTCTGCGATTCTCCTTGGGCCCTT
 ATCAACTCTTCCATCTATGCCATGAAGGAGATCGAACAAAGCCAGACTTCATTTTCTGGACAGGGGATG
 ACACACCACACGTCCCAATGAGAGGCTGGGGAGGGAGCTGTGCTGTGATGGTGGACCGTCTGACCAA
 CCTCATCAAGGAGGTCTTCCAGGTAATAAGTCTATGCTGCTCTGGAAATCATGACTTTCACCCTAAG
 AACAGCTCCCAGCCAGAGCAACAGCATCTACACTCATGTGGCAGAGCTGTGGAGACCTGGCTTAGCA
 ACGAATCTTCACTCTTCAAAGAAGGTGCCTTCTATTCTGAGAAGTTCCGAGTCCCAGCAAGACAGG
 GCGAGTTGGTCTCAACACCAATCTGTACTACAGCAGCAATGAGCAGACAGCCGGCATGGCCGCCCA
 GGCCAGCAGTTCCAGTGGCTAGGAGATGTCTAAGCAATGCATCTCGGAACGGGGAGATGGTGTACATTA
 TTGGCCACGTGCCCCAGGGTCTTTGAGAAGACACAGGACAAGGCTGGTTCGAGAGAGCTTCAACGA
 GGAGTATCTGAAGGTGGTTCAGCAGCACCATCGCGTCATAGCAGGGCAGTTCTTTGGGCACCACCATAAC
 GACAGTTCGGAATGTTCTACAGCAGCAGAGTGGCCCAATAAGCGTCATGTTCTCACACCCGGGGTCA
 CCCCCTGGAAGACCACATTACCTGGAGTGGTTCGATGGGGCCAACAATCCAGCGATCCGCATTTTGGAGTA
 TGACCGAGCCACTCTCAACTGAAGGACATGGTGACTTACTACTTGAACCTGAGGCAGCCGGGATACACAA
 GAGACCCCGCAGTGGGAGCAGGAATACCGCTGACAGAGGCCACGAGGTGCAGGACGCCAGCACCAGTT
 CTATGTATACAGCACTGACCCGATCGCCAGTGCAGCAGCACATCCTGCAACGTTATTACGCTACAACCTC
 GGTGAGTACAGCCATCAGCCCTGTGAGGAGCTGTGCCGAAGGGAGCATGTGTGCCCATACAGCAGGTG
 GAGTTCGACACTTACGCCACCTGCTTGCATGGTCTTGGTCCAACCTGGTACCTGGTTTCTGCTCATACT
 TGACTCTGCTGACGAGCCTACACGTATTGGAGGTGCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR200955 representing NM_001025737
 Red=Cloning site Green=Tags(s)

MTLLGWLIFLASWVAGAEELGRFWHISDLHLDPNYTVSKDPLRVCP SAGSQPV LNAGPWGDYLC DSPWAL
 INSSIYAMKEIEPKPDFIFWTGDDTPHPNERLGEGAVLSMVDRLTNL IKEVFPGTKVYAALGNHDFHPK
 NQLPAQNSIYTHVAELWRPWSNESFTLFKEGAFYSEKLPSPSKTGRVVV LNTNLYSSNEQTAGMADP
 GQQFQWLDVLSNASRNGEMVYIIGHVPPGF FEKTQDKAWFRESFN EYLVVQQHHRVIAGQFFGHHHT
 DSFRMFYSSTGAPISVMFLTPGVTPWKTLPGVVDGANNPAIRIFEYDRATLNLKDMVYYLNL RQADTQ
 ETPOWEQEYRLTEAYEVQDASTSSMYTALTRIASEQHILQRYYYVNSVSYSHQPCEDVCRREHVCAIQHV
 EFDTYATCLHGLGANLVPGFLLILTLTSLHVLEVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

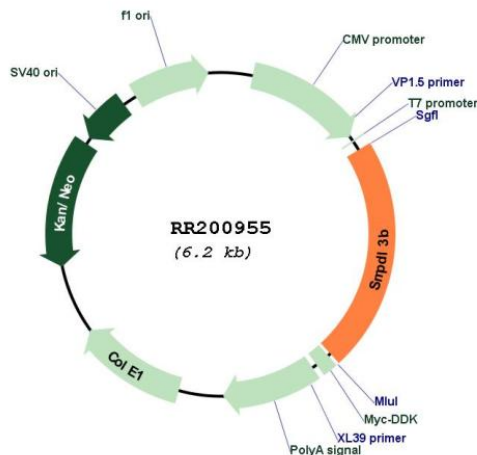
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001025737

ORF Size: 1368 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001025737.1](#), [NP_001020908.1](#)

RefSeq Size: 1923 bp

RefSeq ORF: 1371 bp

Locus ID: 362619

Cytogenetics: 5q36

MW: 51.6 kDa