

Product datasheet for **RC203451A1V**

Human Smoothened (SMO) (NM_005631) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Smoothened (SMO) (NM_005631) AAV Particle
Tag:	Myc-DDK
Symbol:	SMO
Synonyms:	CRJS; FZD11; Gx; PHLS; SMOH
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



[View online »](#)

ORF Nucleotide Sequence:

>RC203451 representing NM_005631
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCGCTGCCCGCCAGCGCGGGGGCCGAGCTCCCGCTCCTGGGGCTGCTGCTGCTGCTGCTGG
 GGGACCGGGCCGGGGGGCGGCCCTCGAGCGGGAACGCGACCGGGCCTGGGCCCTCGAGCGCGGGCGGAG
 CGCGAGGAGGAGCGCGCGGTGACTGGCCCTCCGCCCGCTGAGCCACTGCGGCCGGGTGCCCCCTGC
 GAGCCGCTGCGCTAACCGTGTGCTGGGCTCGGTGCTGCCCTACGGGGCCACCTCCACACTGCTGGCCG
 GAGACTCGGACTCCCAGGAGGAAGCGCACGGCAAGCTCGTGTCTGGTGGGCCCTCCGAATGCCCCCG
 CTGCTGGGCAGTGATCCAGCCCTGCTGTGTGCGGTATACATGCCCAAGTGTGAGAATGACCGGGTGGAG
 CTGCCAGCCGTACCCTCTGCCAGGCCACCGAGGCCCTGTGCCATCGTGGAGAGGGAGCGGGCTGGC
 CTGACTTCCTGCGCTGCACTCCTGACCGCTTCCCTGAAGGCTGCACGAATGAGGTGCAGAACATCAAGTT
 CAACAGTTCAGGCCAGTGCAGAGTGCCCTTGGTTCGGACAGACAACCCCAAGAGCTGGTACGAGGACGTG
 GAGGGCTGCGGCATCCAGTGCCAGAACCGCTCTTACAGAGGCTGAGCACCAGGACATGCACAGCTACA
 TCGCGGCCTTCGGGGCCGTACGGGCCCTCTGCACGCTCTTACCTGGCCACATTCGTGGCTGACTGGCG
 GAACTCGAATCGCTACCTGCTGTTATTCTCTTCTACGTCAATGCGTGCTTCTTGTGGGCAGCATTGGC
 TGGCTGGCCAGTTTCATGGATGGTGGCCGCCGAGAGATCGTCTGCCGTGCAGATGGCACCATGAGGCTTG
 GGGAGCCACCTCCAATGAGACTCTGTCTGCGTCATCATCTTGTGTCATCGTGTACTACGCCCTGATGGC
 TGGTGTGGTTTGGTTTGGTCTCACCTATGCCTGGCACACTTCCTTCAAAGCCCTGGGCACCACCTAC
 CAGCCTCTCTCGGCAAGACCTCCTACTTCCACCTGCTCACCTGGTCACTCCCTTTGTCTCACTGTGG
 CAATCCTTGCTGTGGCGCAGTGGATGGGACTCTGTGAGTGGCATTTGTTTTGTGGGTACAAGAACTA
 CCGATACCGTGGGGCTTCGTGCTGGCCCAATCGGCCCTGGTGTCTCATCGTGGGAGGCTACTTCTCATC
 CGAGGAGTCATGACTCTGTTCTCCATCAAGAGCAACCACCCCGGCTGCTGAGTGAGAAGGCTGCCAGCA
 AGATCAACGAGACCATGCTGCGCCTGGGCATTTTGGCTTCTGGCCTTTGGCTTTGTGCTATTACCTT
 CAGCTGCCACTTCTACGACTTCTTCAACCAGGCTGAGTGGGAGCGCAGCTTCCGGGACTATGTGCTATGT
 CAGGCCAATGTGACCATCGGGCTGCCACCAAGCAGCCCATCCCTGACTGTGAGATCAAGAATCGCCCGA
 GCCTTCTGGTGGAGAAGATCAACCTGTTTGCCATGTTTGAAGTGGCATGCCATGAGCACCTGGGTCTG
 GACCAAGGCCACGCTGCTCATCTGGAGCGTACCTGGTGCAGTTGACTGGGCAGAGTGACGATGAGCCA
 AAGCGGATCAAGAAGAGCAAGATGATTGCCAAGGCCTTCTTAAGCGGCACGAGCTCCTGCAGAACCAG
 GCCAGGAGCTGTCTTACGATGCACACTGTGTCCACGACGGGCCCGTGGCGGGCTTGGCCTTTGACCT
 CAATGAGCCCTCAGTGATGTCTCCTCTGCCTGGGCCAGCATGTACCAAGATGGTGGCTCGGAGAGGA
 GCCATACTGCCCCAGGATATTTCTGTCAACCCCTGTGGCAACTCCAGTGCCCCCAGAGGAACAAGCCAACC
 TGTGGCTGGTTGAGGCAGAGATCTCCCCAGAGCTGCAGAAGCGCCTGGGCCGGAAGAAGAAGAGGAGGA
 GAGGAAGAAGGAGGTGTGCCGCTGGCGCCGCCCTGAGCTTACCCCCCTGCCCTGCCCCAGTACC
 ATTCTCGACTGCCTCAGCTGCCCCGGCAGAAATGCCTGGTGGCTGCAGGTGCCTGGGAGCTGGGGACT
 CTTGCCGACAGGAGCGTGGACCCTGGTCTCAACCCATTCTGCCAGAGCCAGTCCCCCTCAGGATCC
 ATTTCTGCCAGTGCACCGCCCCCGTGGCATGGGCTCATGGCCGCCGACAGGGCCTGGGGCCTATTAC
 TCCGCACCAACCTGATGGACACAGAACTCATGGATGCAGACTCGGACTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC203451 representing NM_005631 Red=Cloning site Green=Tags(s) MAAAPARGPELPLLGLLLLLLLGDPGRGAASSGNATGPGPRSAGGSARRSAAVTGPPPPLSHCGRAAPC EPLRYNVCLGSVLPYGATSTLLAGDSDSQEEAHGKLVLSGLRNAPRCWAVIQPLLCAVYMPKCENDRVE LPSRTLQCATRGPCAIVERERGWPDFLRCTPDRFPEGCTNEVQNIKFNSGQCEVPLVRTDNPKSWYEDV EGCGIQCNPLFTEAEHQDMHSYIAAFGAVTGLCTLFTLATFVADWRNSNRYPAVILFYVNACFFVGSIG WLAQFMDGARREIVCRADGTMRLGEPTSNETLSCVIIIFVIVYYALMAGVWVFLTYAWHTSFKALGTTY QPLSGKTSYFHLLTWSLPFVLTVAAILAVAQVDGDSVSGICFVGKYNRYRAGFVLAPIGLVLIVGGYFLI RGMVTLFSIKSNHPGLLSEKAASKINETMLRLGIFGLAFGFVLITFSCHFYDFFNQAEWERSFRDYVLC QANVTIGLPTKQPIPDCEIKNRPSLLVEKINLFAMFGTGIAMSTWVWKATLLIWRRTWCRLTGQSDDEP KRIKSKMIAKAFSKRHELLQNPQELFSMHTVSHDGPVAGLAFDLNEPSADVSSAWAQHVTKMVARRG AILPQDISVTPVATPVPPEEQANLWLEAEISPELQKRLGRKKRRKRKKEVCPLAPPELHPPAPAPST IPRLPQLPRQKCLVAAGAWGAGDSCRQGAWTLVSNPFCPEPSPQDPFLPSAPAPVAWAHGRRQGLGPIH SRTNLMDELMADSDSF TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_005631
ORF Size:	2361 bp
Buffer:	PBS with 0.001% Pluronic F5431
Stability:	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
RefSeq:	NM_005631.3 , NP_005622.1
RefSeq Size:	3772 bp
RefSeq ORF:	2364 bp
Locus ID:	6608
UniProt ID:	Q99835
Cytogenetics:	7q32.1
MW:	86.2 kDa