

Product datasheet for **RC219187A1V**

Human Iduronate 2 sulfatase (IDS) (NM_000202) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Iduronate 2 sulfatase (IDS) (NM_000202) AAV Particle
Tag:	Myc-DDK
Symbol:	Iduronate 2 sulfatase
Synonyms:	ID2S; MPS2; SIDS
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC219187 representing NM_000202
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCCGCCACCCCGACCGGCCGAGGCCTTCTCTGGCTGGGTCTGGTTCTGAGCTCCGTCTGCGTCGCCC
 TCGGATCCGAAACGCAGGCCAACTCGACCACAGATGCTCTGAACGTTCTTCTCATCATCGTGGATGACCT
 GCGCCCCCTCCCTGGGCTGTTATGGGGATAAGCTGGTGAGGTCCCCAAATATTGACCAACTGGCATCCAC
 AGCCTCTCTTCCAGAATGCCTTTGCGCAGCAAGCAGTGTGCGCCCCGAGCCGCGTTTCTTCTCACTG
 GCAGGAGACCTGACACCACCCGCTGTACGACTTCAACTCCTACTGGAGGGTGCACGCTGAAACTTCTC
 CACCATCCCCAGTACTTCAAGGAGAATGGCTATGTGACCATGTCGGTGGGAAAAGTCTTTCACCTGGG
 ATATCTTCTAACCATAACGATGATTCTCCGTATAGCTGGTCTTTTCCACCTTATCATCTTCTCTGAGA
 AGTATGAAACACTAAGACATGTCGAGGGCCAGATGGAGAACTCCATGCCAACCTGCTTTGCCCTGTGGA
 TGTGCTGGATGTTCCCGAGGGCACCTTGCTGACAAACAGAGCACTGAGCAAGCCATACAGTTGTTGGAA
 AAGATGAAACGTCAGCCAGTCTTTCTTCTGCGCGTTGGGTATCATAGCCACACATCCCTTCAGAT
 ACCCCAAGGAATTTAGAAAGTTGATCCCTTGGAGAACATCACCTGGCCCCCGATCCCAGGTCCCTGA
 TGGCCTACCCCTGTGGCTACAACCCCTGGATGGACATCAGGCAACGGGAAGACGTCCAAGCCTTAAAC
 ATCAGTGTGCCGTATGGTCCAATTCTGTGGACTTTCAGCGGAAAATCCGCCAGAGCTACTTGCCTCTG
 TGTATATTGGATACACAGGTGCGCCGCTCTTGGTGTCTTGGACGATCTTCACTGGCCAACAGCAC
 CATATTGCATTTACCTCGGATCATGGTGGGCTCTAGGTGAACATGGAGAATGGGCCAAATACAGCAAT
 TTTGATGTTGCTACCCATGTTCCCTGATATTCTATGTTCTTGGAAAGGACGGCTTCACTTCCGGAGGCAG
 GCGAGAAGCTTTTCCCTTACCTCGACCTTTTATTCCGCTCACAGTTGATGGAGCCAGGCAGGCAATC
 CATGGACCTTGTGGAACCTGTGTCTCTTTTCCACGCTGGCTGGACTTGCAGGACTGCAGGTTCCACCT
 CGCTGCCCCGTTCTTCAATTTACGTTGAGCTGTGCAGAGAAGGCAAGAACCTTCTGAAGCATTTTCGAT
 TCCGTGACTTGGAAAGAGGATCCGTACCTCCCTGGTAATCCCCGTGAAGTATTGCCTATAGCCAGTATCC
 CCGGCCTTCAACATCCCTCAGTGAATTCTGACAAGCCGAGTTTAAAGATATAAAGATCATGGCTAT
 TCCATACGCACCATAGACTATAGGTATACTGTGTGGGTTGGCTTCAATCTGATGAATTTCTAGTAACT
 TTTCTGACATCCATGCAGGGGAAGTGTATTTGTGGATTCTGACCCATTGCAGGATCACAATATGTATAA
 TGATCCCAAGGTGGAGATCTTTCCAGTTGTTGATGCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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MPPPRTRGRLLWLGLVLSSVCVALGSETQANSTTDALNVLLIIIVDDLRLPSLGCYGDKLVRSPNIDQLASH
 SLLFQNAFAQQAVCAPSRVSFLTGRRPDTRLTYDFNSYWRVHAGNFSTIPQYFKENGYVTMSVGKVFHFG
 ISSNHTDDSPYSWSFPPYHPSSEKYENTKTCRPGDGLHANLLCPVDVLDVPEGTLDPKQSTEQATQLLE
 KMKTSASPFLLAVGYHKPHIPFRYPKEFQKLYPLENITLAPDPEVPDGLPPVAYNPWMDIRQREDVQALN
 ISVPYGPPIPVDFQRKIRQSYFASVSYLDTQVGRLLSALDDLQLANSTIIAFTSDHWALGEHGEWAKYSN
 FDVATHVPLIFYVPGRTASLPEAGEKLPYLDPFDSASQLMEPGRQSMDELVELVSLFPTLAGLAGLQVPP
 RCPVPSFHVLCREGKNLLKHFRFRDLEEDPYLPGNPRELIAYSQYPRPSDIPQWNSDKPSLKDIIKIMGY
 SIRTIDYRYTVWGFNPDEFLANFSDIHAGELYFVDSPLQDHNMYNDSQGGDLFQLLMP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000202

ORF Size:	1650 bp
Buffer:	PBS with 0.001% Pluronic F68
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:	<u>NM_000202.2</u>
RefSeq Size:	2504 bp
RefSeq ORF:	1653 bp
Locus ID:	3423
UniProt ID:	<u>P22304</u>
Cytogenetics:	Xq28
MW:	61.87 kDa