

Product datasheet for **RC230123A1V**

Human Iduronate 2 sulfatase (IDS) (NM_001166550) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human Iduronate 2 sulfatase (IDS) (NM_001166550) 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:

>RC230123 representing NM_001166550
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCTTTGCGCAGGAGACCTGACACCACCCGCTGTACGACTTCAACTCCTACTGGAGGTGCACGCTG
 GAAACTTCTCCACCATCCCCAGTACTTCAAGGAGAATGGCTATGTGACCATGTGGTGGGAAAAGTCTT
 TCACCCTGGGATATCTTCTAACCATAACCGATGATTCTCCGTATAGCTGGTCTTTTCCACCTTATCATCT
 TCCTCTGAGAAGTATGAAAACACTAAGACATGTCGAGGGCCAGATGGAGAATCCATGCCAACCTGCTTT
 GCCCTGTGGATGTGCTGGATGTTCCCGAGGGCACCTTGCTGACAAACAGAGCACTGAGCAAGCCATACA
 GTTGTGGAAAAGATGAAAACGTCAGCCAGTCTTTTCTCCTGGCCGTTGGGTATCATAAGCCACACATC
 CCCTTCAGATACCCCAAGGAATTCAGAAGTTGTATCCCTTGAGAACATCACCTGGCCCCGATCCCG
 AGGTCCCTGATGGCTACCCCTGTGGCTACAACCCCTGGATGGACATCAGGCAACGGGAAGACGTCCA
 AGCCTTAAACATCAGTGTCCGATGGTCCAATTCCTGTGGACTTTCAGCGGAAAATCCGCCAGAGCTAC
 TTTGCCTCTGTGCATATTTGGATACACAGGTCGGCCGCTCTTGAGTGTCTTGGACGATCTTCAGCTGG
 CCAACAGCACCATCATTGCATTTACCTCGGATCATGGGTGGGCTCTAGGTGAACATGGAGAATGGCCAA
 ATACAGCAATTTTGTGTTGCTACCCATGTTCCCTGATATTCTATGTTCTGGAAGGACGGCTTCACTT
 CCGGAGGCAGGCGAGAAGCTTTTCCCTTACCTCGACCTTTTGATTCCGCCTCACAGTTGATGGAGCCAG
 GCAGGCAATCCATGGACCTTGTGGAAGTGTGTCTCTTTTTCCACGCTGGCTGGACTTGCAGGACTGCA
 GGTTCCACCTCGCTGCCCGTTCCTTCACTTTCAGTTGAGCTGTGCAGAGAAGGCAAGAACCTTCTGAAG
 CATTTTCGATTCGCTGACTTGAAGAGGATCCGTACCTCCCTGGTAATCCCGTGAAGTATTGCCTATA
 GCCAGTATCCCGGCCCTCAGACATCCCTCAGTGAATCTGACAAGCCGAGTTAAAAGATATAAAGAT
 CATGGGCTATTCCATACGCACCATAGACTATAGGTATACTGTGTGGGTTGGCTTCAATCCTGATGAATTT
 CTAGCTAACTTTTCTGACATCCATGCAGGGAACTGTATTTTGTGGATTCTGACCCATTGCAGGATCACA
 ATATGTATAATGATTCCCAAGGTGGAGATCTTTTCCAGTTGTTGATGCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230123 representing NM_001166550
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MPLRRRPDTRL YDFNSYWRVHAGNFSTIPQYFKENGYVTMSVGKVFHPGISSNHTDDSPYSWSFPPYHP
 SSEKYENTKTCRGPDELHANLLCPVDVLDVPEGTL PDKQSTEQAIQLLEKMKTSASPPFLAVGYHKPHI
 PFRYPKEFQKLYPLENITLAPDPEVPDGLPPVAYNPWMDIRQREDVQALNISVPYGPVDFQKIRQSY
 FASVSYLDTQVGRLLSALDDLQLANSTIIAFTSDHWALGEHGEWAKYSNFDVATHVPLIFYVPGRTASL
 PEAGEKLPYLDPFDSASQLMEPGRQSMDELVELVSLFPTLAGLAGLQVPPRCVPVPSFHVELCREGKNLLK
 HFRFRDLEEDPYLPGNPRELIAYSQYPRPSDIPQWNSDKPSLKD IKIMGYSIRTIDYRYTVWVGFNPDEF
 LANFSDIHAGELYFVDSPLQDHNMNDSQGGDLFQLLMP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_001166550

ORF Size:

1380 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_001166550.1</u>
RefSeq ORF:	1383 bp
Locus ID:	3423
UniProt ID:	<u>P22304</u>
Cytogenetics:	Xq28
MW:	52.9 kDa