

Product datasheet for MC201605

Aspa (NM_023113) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aspa (NM_023113) Mouse Untagged Clone
Tag: Tag Free
Symbol: Aspa
Synonyms: Acy; Acy-; Acy-2; Acy2; nu; nur7
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC024934 sequence for NM_023113
TTTTGCACCTTCTCAATTAGATCTAAACTTGAAACTTTTTCTCAGAAGTAACTGCCTTTGACCTCTTCT
CTTCTGAATTGCAGAAATCAGACAGGACTTTGGTATTTGTAAAAAGACCTTTGTGTTGCTAAAGAACC
TATTAAGAAGATTGCCATCTTTGGAGGGACTCATGGAAATGAACTGACCGGAGTGTCTAGTTACTCAC
TGGCTAAGGAATGGCACTGAAGTTCACAGAGCAGGGCTGGACGTGAAGCCATTACATACCAATCCAGGG
CGGTGGAGAAGTGCACCAGATACATTGACTGTGACCTGAATCGTGTTTTTGACCTTGAAAATCTTAGCAA
AGAGATGTCTGAAGACTTGCCATATGAAGTGAGAAGGGCTCAAGAAAATAATCATTTATTTGGTCCAAAA
AATAGTGATGATGCCTATGACATTGTTTTGACCTTCACAACCACTTCTAACATGGGTGCACTCTTA
TTCTTGAGGATCCAGGAATGACTTTTTAATTCAGATGTTTCACTATATTAAGACTTGCATGGCTCCATT
ACCCTGCTCTGTTTATCTCATTGAGCATCTTCACTCAAATATGCAACCACTCGTCCATTGCCAAGTAT
CCTGTTGGTATAGAAGTTGGTCCCTCAGCCTCACGGTGCCTTAGAGCTGATATTTAGACCAAATGAGAA
AAATGATAAAAACATGCTCTTGATTTTATACAGCATTTCAATGAAGGAAAAGAATTTCCCTCCCTGTTCTAT
TGACGTCTATAAAAATAATGGAGAAAGTTGATTATCCAAGGAATGAAAGTGAGACATGGCTGCTGTTATT
CATCCTAATCTGCAGGATCAAGACTGGAAACCATTGCACCCTGGAGATCCTGTGTTTGTGCTCTTTGATG
GAAAAGTTATCCACTGGGTGGAGACTGTACCGTGTACCCAGTGTGTTGTGAATGAAGCTGCATATTATGA
AAAAAAGAAGCATTGGCAAAGACAACAACTAACACTCAGCGCAAAAAGCATCCGCTCCACTTTGCAC
TAAAAGTCTTTGCAAGCTCAGTTATAGGAGTCTTGCAAACACCTAGAACTCTGTAACCTCCAAGACCAG
AGTGCCTTACTCTAGTTCTTTTCTCAGTGCCTGGCCCGTGCCTCAAGCAGTAAGCATCCAGGCCAGGT
TCTGAAAGGAAAGGATAAATTAATGAACGCTTTTCAAATATATTTGGATGTGCTATGTACAGGCAAGTG
TGCTTCTGGTTTCTGTATTATTCTTTATACAGTATATTCTGTAGCGTAACATTGTTAACTTTACATTT
AGAACATAACATTGAAATACATGCTAGTGCAACTTAGCACACAGCAGGACAGACTATATGTTTTCAAGTA
ATGCATAAGTGCTAATCAAAAATAATAGTACAGACTTTGTGTTTTAAGTTCTGGTGTGTGAATTAATGA
CAGTGAATTAATGTCCATTCCATAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_023113



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Insert Size:	939 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).
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:	<ol style="list-style-type: none">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:	BC024934 , AAH24934
RefSeq Size:	1516 bp
RefSeq ORF:	939 bp
Locus ID:	11484
UniProt ID:	Q8R3P0
Cytogenetics:	11 B4
Gene Summary:	This gene encodes an enzyme that deacetylates N-acetyl-L-aspartic acid (NAA) in the brain to yield acetate and L-aspartate. In humans, alterations in neuronal NAA concentration are associated with many neurodegenerative diseases (decrease associated with epilepsy, multiple sclerosis, myotrophic lateral sclerosis, and Alzheimer's disease; increase associated with Canavan disease). In mouse, mutations in this gene, which cause accumulation of NAA, result in demyelination and spongy degeneration in the CNS and serve as a pathophysiological model for Canavan disease. [provided by RefSeq, Dec 2012]