

Product datasheet for **RR212273**

Asrgl1 (NM_145089) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asrgl1 (NM_145089) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asrgl1
Synonyms:	Gliap; Hiob2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212273 representing NM_145089 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGACCGCCGCCCTCTTCGTGCGGCCGCGACTCAGTCCCGGCGACACCCCGAGCCTCCATCGATG
TGAGTCTCGTGGTGGTAGTCCATGGTGGTGGAGCAAGCAACATCTCACCCGGCCGAAAGAACTGGTGAG
CGAGGGCATTGCCAAAGCTGCAACTGAGGGCTATAACATCCTCAAGGCTGGAGGGAGCGCAGTAGATGCT
GTGAAGGAGCCGTGACTATGCTGGAAAATGACCCGGAGTTCAACGCAGGTTATGGGTCTGTCTGAATG
CAGATGGTGATATTGAGATGGATGCTAGTATCATGGATGGGAAGGACCTATCTGCAGGAGCAGTGTCTGC
CGTGCCTGTATCGCAAATCCTGTTAACTTGCACGGCTTGTATGGAAAAGACTCCTCATTGCTTTCTG
ACGGGCCGTGGTGCAGAGAAATTTGCAGCAGACATGGGGATTCCACAGACTCCTGCCGAAAAACTGATAA
CGGAGAGAACCAAGAAGCACCTGGAGAAAGAGAAGCTTGAGAAGGGGGCGCAGAAAGCTGACTGCCCTAA
AACTCAGGAAGTGTAGGTGCTGTTGCCTGGACTGCAAAGGGAAGTGGCTTATGCAACCTCTACTGGG
GGGATTGTCAATAAAATGGTTGGCCGAGTTGGAGACTCACCTTGTATAGGAGCTGGAGGTTACGCAGATA
ATAACCTTGGAGCCGTTCAACCACAGGACATGGGAAAGTATTCTGAAGTGAATCTGGCCAGACTCGC
CCTCTCCATGTAGAGCAAGGAAAGACCGTAGATGAGGCTGCTACGTTGGCACTGGATTATATGAAGTCA
AAGCTCAAAGGCCTAGGTGGCCTCATCTTGATCAACAAGACGGGAGACTGGGTGGCAAAGTGGACCTCTG
CCTCCATGCCCTGGCAGCGGTGAAGAACGGCAAGCTGCAGGCCGCATTGACCTTTGCCAAACCAAGAC
AAGGAACCTGCCCACTTGC

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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:	<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:	NM_145089.4 , NP_659557.1
RefSeq Size:	1123 bp
RefSeq ORF:	1002 bp
Locus ID:	246307
UniProt ID:	Q8VI04
Cytogenetics:	1q43
MW:	34.4 kDa
Gene Summary:	an L-asparaginase possibly involved in astroglial production of neuroactive S-aspartate [RGD, Feb 2006]