

Product datasheet for **SC319538**

ASRGL1 (NM_025080) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASRGL1 (NM_025080) Human Untagged Clone
Tag:	Tag Free
Symbol:	ASRGL1
Synonyms:	ALP; ALP1; CRASH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_025080.2
GGCACGAGGGGTACCGGGCGGCTGCGGGGCTGGCTCGACCCAGCTGGAGGTCTCGGCGTC
CGGTCCTGCGGTGCCCTGGGACCGCCGACATGAATCCCATCGTAGTGGTCCACGGCGG
CGGAGCCGGTCCCATCTCCAAGGATCGGAAGGAGCGAGTGCACCCAGGGCATGGTCAGAGC
CGCCACCGTGGGCTACGGCATCCTCCGGGAGGGCGGGAGCGCCGTGGATGCCGTAGAGGG
AGCTGTCGTGCGCCTGGAAGACGATCCCGAGTTCAACGCAGGTTGTGGGTCTGTCTTGAA
CACAAATGGTGAGGTTGAAATGGATGCTAGTATCATGGATGAAAAAGACCTGTCTGCAGG
AGCAGTGTCCGCAGTCCAGTGTATAGCAAATCCCATAAACTTGCTCGGCTTGTCATGGA
AAAGACACCTCATTGCTTTCTGACTGACCAAGGCGCAGCGCAGTTTGCAGCAGCTATGGG
GGTTCAGAGATTCTGGAGAAAACTGGTGACAGAGAGAAAAAAGCGCCTGGAAAA
AGAGAAGCATGAAAAAGGTGCTCAGAAAAACAGATTGTCAAAAAAACTTGGGAACCGTGGG
TGCTGTTGCCCTTGACTGCAAAGGGAATGTAGCCTACGCAACCTCCACAGGCGGTATCGT
TAATAAAATGGTCGGCCCGTGGGGACTCACCGTGTCTAGGAGCTGGAGGTTATGCCGA
CAATGACATCGGAGCCGTCTCAACCACAGGGCATGGGGAAGCATCCTGAAGGTGAACCT
GGCTAGACTCACCTGTTCCACATAGAACAAGGAAAGACGGTAGAAGAGGCTGCGGACCT
ATCGTTGGGTTATATGAAGTCAAGGTTAAAGGTTTAGGTGGCCTCATCGTGGTTAGCAA
AACAGGAGACTGGGTGGCAAAGTGGACCTCCACCTCCATGCCCTGGGCAGCCGCAAGGA
CGGCAAGCTGCACTTCGGAATTGATCCTGACGATACTACTATCACCGACCTTCCCTAAGC
CGCTGGAAGATTGTATTCCAGATGCTAGCTTAGAGTCAAGTACAGTCTCCTCATGAGAC
ATAGCCTAATCAATTAGATCTAGAATTGAAAAAATTGTCCCGTCTGCACTTGTTTTGTT
GCCTTAATAAGCATCTGAATGTTTGGTGTGGGCGGGTCTGAAGCAATGAGAGAAATG
CCCGTATTAGGAGGATTACTTGAGCCCTGGAGGTCAAAGCTGAGGTGAGCCATGATTACT
CCTACTGCACTCCAGCCTGGGCAACAGAGCCAGGCCCTGTATCAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAA

Restriction Sites: Please inquire



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ACCN:	NM_025080
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_025080.2 , NP_079356.2
RefSeq Size:	1332 bp
RefSeq ORF:	927 bp
Locus ID:	80150
UniProt ID:	Q7L266
Cytogenetics:	11q12.3
Domains:	Asparaginase_2
Protein Families:	Protease
Gene Summary:	<p>Has both L-asparaginase and beta-aspartyl peptidase activity. May be involved in the production of L-aspartate, which can act as an excitatory neurotransmitter in some brain regions. Is highly active with L-Asp beta-methyl ester. Besides, has catalytic activity toward beta-aspartyl dipeptides and their methyl esters, including beta-L-Asp-L-Phe, beta-L-Asp-L-Phe methyl ester (aspartame), beta-L-Asp-L-Ala, beta-L-Asp-L-Leu and beta-L-Asp-L-Lys. Does not have aspartylglucosaminidase activity and is inactive toward GlcNAc-L-Asn. Likewise, has no activity toward glutamine.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>