

Product datasheet for **RC205645L4V**

ASRGL1 (NM_025080) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ASRGL1 (NM_025080) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ASRGL1
Synonyms:	ALP; ALP1; CRASH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_025080
ORF Size:	924 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205645).
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.
RefSeq:	NM_025080.2
RefSeq Size:	1332 bp
RefSeq ORF:	927 bp
Locus ID:	80150
UniProt ID:	Q7L266
Cytogenetics:	11q12.3
Domains:	Asparaginase_2
Protein Families:	Protease



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MW: 31.9 kDa

Gene Summary: 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]