

## Product datasheet for **RC215448**

### ALS2 (NM\_020919) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ALS2 (NM_020919) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ALS2
Synonyms:	ALS2CR6; ALSJ; IAHSP; PLSJ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215448 representing NM_020919 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

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GTTTCCCCCAGGCTCTTAAGAAAGGCTGCACGGGTGAAAACGAGGACAGTGGTTCTGACCCACATACA  
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 C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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**Protein Sequence:**

>RC215448 representing NM\_020919  
Red=Cloning site Green=Tags(s)

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**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8027\\_c08.zip](https://cdn.origene.com/chromatograms/mk8027_c08.zip)

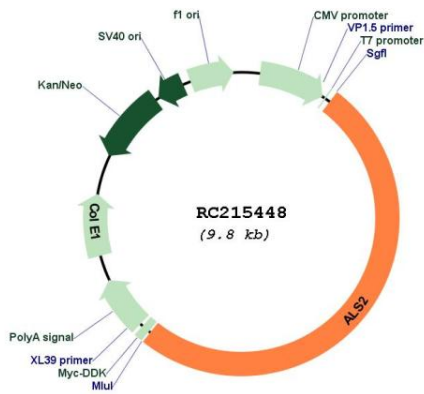
**Restriction Sites:**

Sgfl-Mlul



RefSeq:	<u>NM_020919.4</u>
RefSeq Size:	6470 bp
RefSeq ORF:	4974 bp
Locus ID:	57679
UniProt ID:	<u>Q96Q42</u>
Cytogenetics:	2q33.1
Domains:	RCC1, VPS9, MORN
Protein Families:	Druggable Genome
Protein Pathways:	Amyotrophic lateral sclerosis (ALS)
MW:	183.5 kDa
Gene Summary:	The protein encoded by this gene contains an ATS1/RCC1-like domain, a RhoGEF domain, and a vacuolar protein sorting 9 (VPS9) domain, all of which are guanine-nucleotide exchange factors that activate members of the Ras superfamily of GTPases. The protein functions as a guanine nucleotide exchange factor for the small GTPase RAB5. The protein localizes with RAB5 on early endosomal compartments, and functions as a modulator for endosomal dynamics. Mutations in this gene result in several forms of juvenile lateral sclerosis and infantile-onset ascending spastic paralysis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008]

**Product images:**



Circular map for RC215448