

## Recombinant Human ALS2 cell lysate

Cat. No. ALS2-66HCL Lot. No. (See product label)

### SPECIFICATION

**Species**

Human

**Description**

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.

**Size**

100 ul

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Applications**

Western Blot;

### GENE INFORMATION

**Gene Name**

ALS2 amyotrophic lateral sclerosis 2 (juvenile) [ Homo sapiens ]

**Official Symbol**

ALS2

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<b>Synonyms</b>	ALS2; amyotrophic lateral sclerosis 2 (juvenile); ALS2CR6, amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 6; alsin; amyotrophic lateral sclerosis 2 protein; amyotrophic lateral sclerosis 2 chromosomal region candidate gene 6 protein; ALSJ; PLSJ; IAHP; ALS2CR6; FLJ31851; KIAA1563; MGC87187;
<b>Gene ID</b>	<a href="#">57679</a>
<b>mRNA Refseq</b>	<a href="#">NM_001135745</a>
<b>Protein Refseq</b>	<a href="#">NP_001129217</a>
<b>MIM</b>	<a href="#">606352</a>
<b>UniProt ID</b>	<a href="#">Q96Q42</a>
<b>Chromosome Location</b>	2q33-q35
<b>Pathway</b>	Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem;
<b>Function</b>	Rab GTPase binding; Rab GTPase binding; Rab guanyl-nucleotide exchange factor activity; Rac guanyl-nucleotide exchange factor activity; Ran guanyl-nucleotide exchange factor activity; contributes_to guanyl-nucleotide exchange factor activity; protein homodimerization activity; protein serine/threonine kinase activator activity;

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