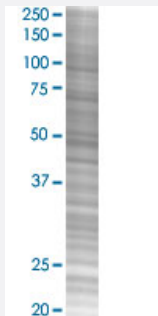


ALS2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00057679-T02

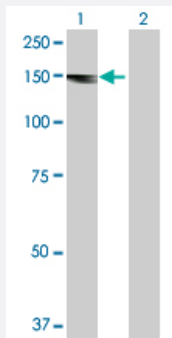
Size 100 uL

Applications



SDS-PAGE Gel

ALS2 transfected lysate.



Western Blot

Lane 1: ALS2 transfected lysate (135.70 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ALS2 full-length
Host	Human
Theoretical MW (kDa)	135.7
Interspecies Antigen Sequence	Mouse (90); Rat (89)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ALS2 antibody ([H00057679-D01P](#)) by Western Blots.
SDS-PAGE Gel
ALS2 transfected lysate.
Western Blot
Lane 1: ALS2 transfected lysate (135.70 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

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

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ALS2

Entrez GeneID

[57679](#)

GeneBank Accession#

[BC071576.1](#)

Protein Accession#

[AAH71576.1](#)

Gene Name

ALS2

Gene Alias

ALS2CR6, ALSJ, FLJ31851, IAHSF, KIAA1563, MGC87187, PLSJ

Gene Description

amyotrophic lateral sclerosis 2 (juvenile)

Omim ID

[205100](#) [606352](#) [606353](#) [607225](#)

Gene Ontology

[Hyperlink](#)

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]

Other Designations

alsin

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)

Disease

- [Amyotrophic lateral sclerosis](#)
- [Genetic Predisposition to Disease](#)
- [Multiple Sclerosis](#)
- [Tobacco Use Disorder](#)