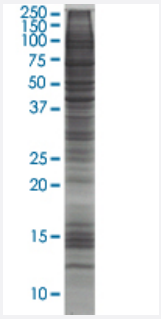
ALS2 HEK293 Cell Transient Overexpression Lysate(Non-Denatured)

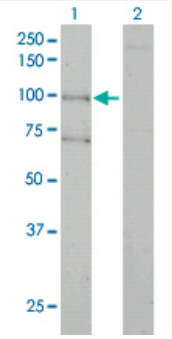
Catalog # L013T6 Size 100 ug

Applications



SDS-PAGE Gel

ALS2 transfected lysate



Western Blot

Lane 1: ALS2 transfected lysate (184 KDa).
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	HEK293
Plasmid	pCMV-ALS2 full length
Host	Human
Theoretical MW (kDa)	184
Lysis Buffer	Modified RIPA Lysis Buffer:50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0. 1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Concentration	2 mg/ml

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-ALS2 antibody (H00057679-M01) by Western Blots. SDS-PAGE Gel ALS2 transfected lysate Western Blot Lane 1: ALS2 transfected lysate (184 KDa). Lane 2: Non-transfected lysate.
Recommend Usage	Use it directly for immuno-precipitation, or heat lysate with SDS gel loading buffer to 95°C for 5 minutes followed by rapid cooling for western blot application. If dissociating conditions are required, add reducing agent prior to heating.
Storage Buffer	In modified RIPA Lysis Buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunoprecipitation

  Protocol Download

Gene Info — ALS2

Entrez GeneID	57679
GeneBank Accession#	BC029174
Protein Accession#	AAH29174
Gene Name	ALS2
Gene Alias	ALS2CR6, ALSJ, FLJ31851, IAHSP, 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