

Recombinant Human ALS2 Protein, His-tagged

Cat. No. ALS2-166H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALS2, transcript variant 2, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	50mM Tris, 8M Urea, pH8.0.
Molecular Mass	42.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	ALS2 amyotrophic lateral sclerosis 2 (juvenile) [Homo sapiens]
Official Symbol	ALS2
Synonyms	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; IAHSP; ALS2CR6; FLJ31851; KIAA1563; MGC87187;
Gene ID	57679
mRNA Refseq	NM_001135745
Protein Refseq	NP_001129217
MIM	606352
UniProt ID	Q96Q42

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