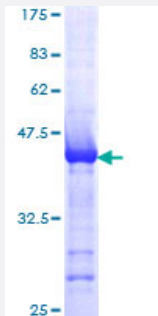


ALS2 (Human) Recombinant Protein (Q01)

Catalog # H00057679-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ALS2 partial ORF (AAH29174, 221 a.a. - 320 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PSQDLKPVPERCNQCSQLLITMTDKEDHVIISDSHCCPLGVTLTESQAENHASTALSPSTETLDRQEEVFENTLVANDQSVATELNAVSAQITSSDAMSS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (90); Rat (89)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

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](#)