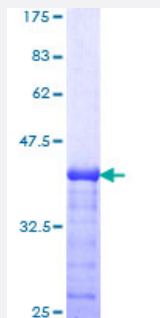


ARSA (Human) Recombinant Protein (Q01)

Catalog # H00000410-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ARSA partial ORF (AAH14210, 398 a.a. - 507 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	FFTQGSASHSDTTADPACHASSSLTAHEPPLLYDLSKDPGENYNLLGGVAGATPEVQQALKQLQL LKAQLDAAVTFGPSQVARGEDPALQICCHPGCTPRPACCHCPDPHA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (77); Rat (75)
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 — ARSA

Entrez GeneID [410](#)

GeneBank Accession# [BC014210](#)

Protein Accession# [AAH14210](#)

Gene Name ARSA

Gene Alias MLD

Gene Description arylsulfatase A

Omim ID [250100 607574](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene hydrolyzes cerebroside sulfate to cerebroside and sulfate. Defects in this gene lead to metachromatic leucodystrophy (MLD), a progressive demyelination disease which results in a variety of neurological symptoms and ultimately death. Multiple alternatively spliced transcript variants, one of which encodes a distinct protein, have been described for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000196546|OTTHUMP00000196548

Pathway

- [Lysosome](#)
- [Sphingolipid metabolism](#)

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Down Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lead Poisoning](#)
- [Leukodystrophy](#)