

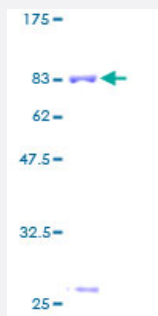
Full-Length

ASL (Human) Recombinant Protein (P01)

Catalog # H00000435-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ASL full-length ORF (AAH08195, 1 a.a. - 464 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASESGKLWGGRFVGAVDPIMEKFNASIA YDRHLWEVDVQGSKAYS RGLEKAGLLTKAEMDQIL
HGLDKVAEEWAQGTFLNSNDEDIHTANERRLKELIGATAGKLHTGRSRNDQVVTDLRLWMRQT
CSTLSGLLWELIRTMVDRAEAERDVLFPGYTHLQRAQPIRWSHWILSHAVALTRDSERLLEVRKRI
NVLPLGSGAIA GNPLGVDRELLRAELNFGAITLNSMDATSERDFVAELFWASLCMTHLSRMAED
LILYCTKEFSFVQPSDAYSTGSSLM PQQKNPDSLELIRSKAGRVFGRCAGLLMTLKGLPSTYNKDL
QEDKEAVFEVSDTMSAVLQVATGVISTLQIHQENMGQALSPDMLATDLAYYLVRKGMPFRQAHE
ASGKAVFMAETKGVALNQLSLQELQTISPLFSGDVICVWDYGH SVEQYGALGGTARSSVDWQIR
QVRALLQAQQA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

76.78

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 — ASL

Entrez GeneID[435](#)**GeneBank Accession#**[BC008195](#)**Protein Accession#**[AAH08195](#)**Gene Name**

ASL

Gene Alias

ASAL

Gene Description

argininosuccinate lyase

Omim ID[207900 608310](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of the lyase 1 family. The encoded protein forms a cytosolic homotetramer and primarily catalyzes the reversible hydrolytic cleavage of argininosuccinate into arginine and fumarate, an essential step in the liver in detoxifying ammonia via the urea cycle. Mutations in this gene result in the autosomal recessive disorder argininosuccinic aciduria, or argininosuccinic acid lyase deficiency. A nontranscribed pseudogene is also located on the long arm of chromosome 22. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]

Other Designations

OTTHUMP00000024494|OTTHUMP00000159903|argininosuccinase

Pathway

- [Alanine](#)
- [Arginine and proline metabolism](#)
- [Metabolic pathways](#)