

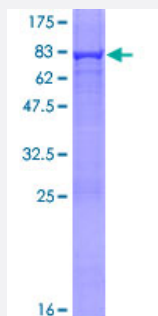
Full-Length

ADSL (Human) Recombinant Protein (P01)

Catalog # H00000158-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ADSL full-length ORF (NP_000017.1, 1 a.a. - 484 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAGGDHGSPPSYRSPLASRYASPEMCFVFSDDRYKFRTWRQLWLWLAEAEQTLGLPITDEQIQE
MKSNNLEIDFKMAAEEERLRHDMHVHTFGHCCPKAAGIIHLGATSCYVGDNTDLILRNALDLL
LPKLARVISRLADFAKERASLPTLGFTHFQPAQLTTVGKRCCLWIQDLCMDLQNLKVRDDLRF
GVKGTGTGTQASFLQLFEGDDHKVEQLDKMVTEKAGFKRAFIITGQTYTRKVDIEVLSVLASLGASV
HKICTDIRLLANLKEMEPEFEKQQIGSSAMPYKRNPMSERCCSLARHMLTMLVMDPLQTASVQWF
ERTLDDSANRRICLAEAFLTADTILNTLQNISEGLVVYPKVIERRIRQELPFMATENIIMAMVKAGGSR
QDCHEKIRVLSQQAASVVKQEGGDNLDIERIQVDAYFSPIHSQLDHLLDPSSFTGRASQQVQRFL
EEEVYPLLKPYESVMKVKAELCL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

81.3

Interspecies Antigen Sequence

Mouse (94); Rat (93)

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 — ADSL

Entrez GeneID	158
GeneBank Accession#	NM_000026.1
Protein Accession#	NP_000017.1
Gene Name	ADSL
Gene Alias	AMPS, ASASE, ASL
Gene Description	adenylosuccinate lyase
Omim ID	103050 608222
Gene Ontology	Hyperlink
Gene Summary	Adenylosuccinate lyase is involved in both de novo synthesis of purines and formation of adenosine monophosphate from inosine monophosphate. It catalyzes two reactions in AMP biosynthesis: the removal of a fumarate from succinylaminoimidazole carboxamide (SAICA) ribotide to give aminoimidazole carboxamide ribotide (AICA) and removal of fumarate from adenylosuccinate to give AMP. Adenylosuccinase deficiency results in succinylpurinemic autism, psychomotor retardation, and , in some cases, growth retardation associated with muscle wasting and epilepsy. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000028724 adenylosuccinase

Pathway

- [Alanine](#)
- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Metabolic pathways](#)
- [Purine metabolism](#)