

Recombinant Human ADSL Protein, GST-tagged

Cat. No. ADSL-389H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADSL full-length ORF (NP_000017.1, 1 a.a. - 484 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene belongs to the lyase 1 family. It is an essential enzyme involved in purine metabolism, and catalyzes two non-sequential reactions in the de novo purine biosynthetic pathway: the conversion of succinylaminoimidazole carboxamide ribotide (SAICAR) to aminoimidazole carboxamide ribotide (AICAR) and the conversion of adenylosuccinate (S-AMP) to adenosine monophosphate (AMP). Mutations in this gene are associated with adenylosuccinase deficiency (ADSLD), a disorder marked with psychomotor retardation, epilepsy or autistic features. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2015]
Molecular Mass	81.3 kDa
AA Sequence	MAAGGDHGGSPDSYRSPLASRYASPEMCFVFSDDRYKFRTWRQLWLWLAEAEQTLG LPITDEQIQEMKSNLENIDFKMAAEEEEKRLRHDVMAHVHTFGHCCPKAAGIIHLGATS CYVGDNTDLIILRNALDLLLLPKLARVISRLADFAKERASLPTLGFTHFQPAQLTTVGKR CCLWIQDLQNLKRVRRDDLRFGRGVKGTGTQASFLQLFEGDDHKVEQLDKMV TEKAGFKRAFIITGQTYTRKVDIEVLSVLASLGASVHKICTDIRLLANLKEMEPEFEKQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QIGSSAMPYKRNPMSERCCSLARHMLTVMDPLQTASVQWFERTLDDSANRRICL
 AEAFLTADTILNTLQNISEGLVVYPKVIERRIRQELPFMATENIIMAMVKAGGSRQDCH
 EKIRVLSQQAASVVKQEGGDNDLIERIQVDAYFSPIHSQLDHLLDPSSFTGRASQQV
 QRFLEEEVYPLLKPYESVMKVKAELCL

Applications

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

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name ADSL adenylosuccinate lyase [Homo sapiens]

Official Symbol ADSL

Synonyms ADSL; adenylosuccinate lyase; adenylosuccinase; ASL; AMPS; ASASE;

Gene ID 158

mRNA Refseq NM_000026

Protein Refseq NP_000017

MIM 608222

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



UniProt ID

P30566

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA