

Product datasheet for **TP300524**

Adenylosuccinate Lyase (ADSL) (NM_000026) Human Recombinant Protein

Product data:

| | |
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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human adenylosuccinate lyase (ADSL), transcript variant 1, 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC200524 protein sequence Red =Cloning site Green =Tags(s) |
| | <p>MAAGGDHGGSPDSYRSPLASRYASPEMCFVFSDDRYKFRTWRQLWLWLAEAEQTLGLPITDEQIQEMKSNL E NIDFKMAAEEKRLRHDMAHVHTFGHCCPKAAGIIHLGATSCYVGDNTDLIILRNALDLLPKLARVIS RLADFAKERASLPTLGFTHFQPAQLTTVGKRCCLWIQDLQNLKVRDDLRFGRVKGTTGTQASFLQ LFEGDDHKVEQLDKMVTEKAGFKRAFIITGQTYTRKVDIEVLSVLASLGASVHKICTDIRLLANLKEMEE PFEKQQIGSSAMPYKRNPMSERCCSLARHMLTVMPLQTASVQWFERTLDDSANRRICLAEAFLTADT ILNTLQNISEGLVVYPKVIERRIRQELPFMATENIIMAMVKAGGSRQDCHEKIRVLSQQAASVVKQEGGD NDLIERIQVDAYFSPHISQLDHLDPSSFTGRASQQVQRFLEEEVYPLLKPYESVMKVKAELCL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Tag: | C-Myc/DDK |
| Predicted MW: | 54.7 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |



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RefSeq: NP_000017

Locus ID: 158

UniProt ID: P30566

RefSeq Size: 1565

Cytogenetics: 22q13.1

RefSeq ORF: 1452

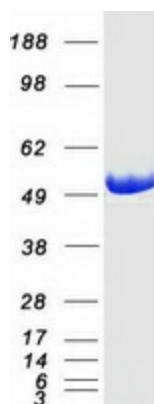
Synonyms: AMPS; ASASE; ASL

Summary: 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]

Protein Families: Druggable Genome

Protein Pathways: Alanine, aspartate and glutamate metabolism, Metabolic pathways, Purine metabolism

Product images:



Coomassie blue staining of purified ADSL protein (Cat# TP300524). The protein was produced from HEK293T cells transfected with ADSL cDNA clone (Cat# [RC200524]) using MegaTran 2.0 (Cat# [TT210002]).