

## Recombinant Human ADSL Protein (M1-L484), Tag Free

**Cat. No.** ADSL-0288H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Recombinant Human GG-ADSL(M1-L484 end) Protein was expressed in E. coli.                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | M1-L484                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | Catalyzes two non-sequential steps in de novo AMP synthesis: converts (S)-2-(5-amino-1-(5-phospho-D-ribosyl)imidazole-4-carboxamido)succinate (SAICAR) to fumarate plus 5-amino-1-(5-phospho-D-ribosyl)imidazole-4-carboxamide, and thereby also contributes to de novo IMP synthesis, and converts succinyladenosine monophosphate (S AMP) to AMP and fumarate. |
| <b>Form</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                           |
| <b>Endotoxin</b>        | < 0.01 EU per µg of the protein                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | 90%                                                                                                                                                                                                                                                                                                                                                              |
| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.                                                                                                                                                                                                                                                                        |
| <b>Storage</b>          | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles                                                                                                                                                                                               |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

|                       |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| <b>Storage Buffer</b> | Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol |
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| <b>Shipping</b> | It is shipped out with blue ice. |
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## GENE INFORMATION

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| <b>Gene Name</b> | ADSL adenylosuccinate lyase [ Homo sapiens (human) ] |
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|------------------------|------|
| <b>Official Symbol</b> | ADSL |
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| <b>Synonyms</b> | ADSL; adenylosuccinate lyase; adenylosuccinase; ASL; AMPS; ASASE; |
|-----------------|-------------------------------------------------------------------|

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| <b>Gene ID</b> | 158 |
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|--------------------|-----------|
| <b>mRNA Refseq</b> | NM_000026 |
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|                       |           |
|-----------------------|-----------|
| <b>Protein Refseq</b> | NP_000017 |
|-----------------------|-----------|

|            |        |
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| <b>MIM</b> | 608222 |
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| <b>UniProt ID</b> | P30566 |
|-------------------|--------|

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