

## Recombinant Human AASS protein, His-tagged

**Cat. No.** AASS-4180H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human AASS protein(33-146 aa), fused with N-terminal His tag, was expressed in E. coli.                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 33-146 aa                                                                                                                                                                                                                                            |
| <b>Tag</b>              | N-His                                                                                                                                                                                                                                                |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> ,17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.               |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                             |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.       |
| <b>Reconstitution</b>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage. |

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**AA Sequence**

VNAWERRAPLAPKHIKGITNLGYKVLIQPSNRRRAIHDKDYVKAGGILQEDISEACLILG  
VKRPPEEKLMSRKTYAFFSHTIKAQEANMGLLDEILKQEIRLIDYEKMVDHRGVR

**GENE INFORMATION**
**Gene Name**

[AASS aminoadipate-semialdehyde synthase \[ Homo sapiens \]](#)

**Official Symbol**

[AASS](#)

**Synonyms**

AASS; aminoadipate-semialdehyde synthase; alpha-aminoadipic semialdehyde synthase, mitochondrial; LKRSDH; LORS DH; lysine-2-oxoglutarate reductase; aminoadipic semialdehyde synthase; alpha-aminoadipate semialdehyde synthase; lysine-ketoglutarate reductase /saccharopine dehydrogenase; LKR/SDH;

**Gene ID**

[10157](#)

**mRNA Refseq**

[NM\\_005763](#)

**Protein Refseq**

[NP\\_005754](#)

**MIM**

[605113](#)

**UniProt ID**

[Q9UDR5](#)

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**SDS-PAGE**

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