

Aminoadipate Semialdehyde Synthase Recombinant Protein | AASS recombinant protein

Recombinant Aminoadipate Semialdehyde Synthase (AASS)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA145424	E.coli	Homo sapiens (Human)	Western Blot, SDS-Page

PRODUCT SYNONYMS

Aminoadipate Semialdehyde Synthase; Recombinant Aminoadipate Semialdehyde Synthase (AASS); LKR/SDH; LKRSDH; LORS DH; Saccharopine dehydrogenase; Alpha-Aminoadipic Semialdehyde Synthase; Mitochondrial; Lysine ketoglutarate reductase; AASS recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 85%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose
Concentration	Original Concentration: 1000ug/mL (varies by lot)
Sequence	VNAWERRAPL APKHIKGITN LGYKVLIQPS NRRAIHDKDY VKAGGILQED ISEACLILGV KRPPEEK LMS RKTYAFFSHT IKAQEANMGL LDEILKQEIR LIDYEKMVDH RGV RVVAFGQ WAGVAGMINI LHGMGLRLLA LGHHTPFMHI GMAHNYRNSS QAVQAVRDAG YEISLGLMPK SIGPLTFVFT GTGNVSKGAQ AIFNELPCEY VEPHELKEVS QTGDLRKVYG TVLSRHHHLV RKTD AVYDPA EYDKHPERYI SRFNTDIAPY TTCLINGIYW EQNTPRLLTR QDAQSLLAPG KFSPAGVEGC PALPHKLVAI CDISADTGG S IEFMTECTTI EHPFCMYDAD QHIIHDSVEG SGILMCSIDN LPAQLPIEAT ECFGDMLYPY VEEMILSDAT QPLESQNFSP VVRDAVITSN GTL
Applicable Applications for AASS recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Val33~Leu455
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	5.9
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

Preparation and Storage

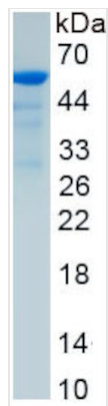
Storage:

Avoid repeated freeze/thaw cycles.
Store at 2-8 degree C for one month.
Aliquot and store at -80 degree C for 12 months.

Stability Test:

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

Molecular Weight

Predicted Molecular Mass: 50.7kDa
Accurate Molecular Mass: 56kDa as determined by SDS-PAGE reducing conditions.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/aminoacidipate-semialdehyde-synthase-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/145424>