

Aspartate Aminotransferase (AST) Recombinant Protein | AST recombinant protein

Recombinant Aspartate Aminotransferase (AST)

CATALOG # AAA134306	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Aspartate Aminotransferase (AST); Recombinant Aspartate Aminotransferase (AST); AST recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Sequence	MAPPSVFAEV PQAQPVLFVK LTADFREDPD PRKVN LGVGA YRTDDCHPWV LPVVKKVEQK IANDNSLNHE YLPILGLAEF RSCASRLALG DDSPALKEKR VGGVQSLGGT GALRIGADFL ARWYNGTNNK NTPVYVSSPT WENHNAVFS AAGFKDIRSYR YWDAEKRG LD LQGFLNDLEN APEFSIVVLH ACAHNPTGID PTPEQWKQIA SVMKHRFLFP FFDSAYQGFA SGNLERDAWA IRYFVSEGFE FFCAQSFSKN FGLYNERVGN LTVVGKEPES ILQVLSQMEK IVRITWSNPP AQGARIVAST LSNPELFEEW TGNVKT MADR ILTMRSELRA RLEALKTPGT WNHITDQIGM FSFTGLNPKQ VEYLVNEKHI YLLPSGRINV SGLTTKNLDY VATSIHEAVT KIQ
Applicable Applications for AST recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Homo sapiens (Human)
Source	Prokaryotic expression
Residues	Met1~Gln413
Tags	N-terminal His Tag
Subcellular Location	Cytoplasm
Traits	Freeze-dried powder
Original Concentration	800ug/mL
Predicted isoelectric point	6.6
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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



Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504067
NCBI GeneID	2805
NCBI Accession #	NP_002070.1
NCBI GenBank Nucleotide #	NM_002079.2
UniProt Accession #	P17174; Q5VW80; B2R6R7
Molecular Weight	Predicted Molecular Mass: 47.8kDa Accurate Molecular Mass: 44kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	aspartate aminotransferase, cytoplasmic
NCBI Official Synonym Full Names	glutamic-oxaloacetic transaminase 1, soluble
NCBI Official Symbol	GOT1
NCBI Official Synonym Symbols	cCAT; GIG18; cAspAT; ASTQTL1
NCBI Protein Information	aspartate aminotransferase, cytoplasmic; transaminase A; aspartate transaminase 1; aspartate aminotransferase 1; growth-inhibiting protein 18; cysteine transaminase, cytoplasmic; glutamate oxaloacetate transaminase 1; cysteine aminotransferase, cytoplasmic
UniProt Protein Name	Aspartate aminotransferase, cytoplasmic
UniProt Gene Name	GOT1
UniProt Synonym Gene Names	cAspAT; cCAT
UniProt Entry Name	AATC_HUMAN

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/got1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/134306>