

Aspartate Aminotransferase (AST) Protein | AST protein

Eukaryotic Aspartate Aminotransferase (AST)

CATALOG # AAA147121	HOST Yeast	APPLICATIONS Western Blot, SDS-Page
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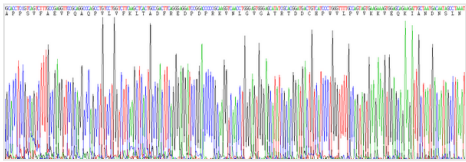
PRODUCT SYNONYMS

Aspartate Aminotransferase (AST); Eukaryotic Aspartate Aminotransferase (AST); cCAT; AAT; ASAT; SGOT; GOT1; Cysteine transaminase; cytoplasmic; Transaminase A; Aspartate Transaminase 1; Cytoplasmic; Glutamic-Oxaloacetic Transaminase 1; Soluble; AST protein

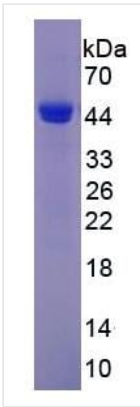
PRODUCT SPECIFICATIONS

Host	Yeast
Purity/Purification	> 95%
Form/Format	Freeze-dried powder
Sequence Length	413
Applicable Applications for AST protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Fragment	Ala2~Gln413
Tag	N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300.
Source Note	Eukaryotic expression
Organism Species	Human
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	6.6
Subcellular Location	Cytoplasm
Usage	Reconstitute in PBS or others.
Preparation and 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. 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



Application Data



SDS-PAGE

APPSVFAEV PQAQPVLFVK LTADFREDPD PRKVNLGVA YRTDDCHPWV
LPVVKVEQK IANDNSLNHE YLPILGLAEF RSCASRLALG DDSPALKEKR
VGGVQSLGGT GALRIGADFL ARWYNGTNNK NTPVYVSSPT WENHNAVFSA
AGFKDIRSYR YWDAEKRGD LQGFNDLEN APEFSIVLH ACAHNPTGID
PTPEQHKQIA SVMKHFRLF FFD SAYQGA SGNLERDAWA IRYFVSEGFE
FFCAQSFSKN FGLYNERVGN LTVVGKEPES ILQVLSQNEK IVRITWSNPP
AQGARIVAST LSNPELFEEW TGNVKTMDR ILTMRSELRA RLEALKTPGT
WNHITDQIGM FSFTGLNPKQ VEYLVNEKHI YLLPSGRINV SGLTTKNLDY
VATSIHEAVT KIQ

Sequence

ADDITIONAL INFORMATION

Product Categories/Family for AST protein	Eukaryotic proteins
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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; B7Z7E9
Molecular Weight	47.5kDa; 48kDa
NCBI Official Full Name	aspartate aminotransferase, cytoplasmic
NCBI Official Synonym Full Names	glutamic-oxaloacetic transaminase 1
NCBI Official Symbol	GOT1
NCBI Official Synonym Symbols	AST1; cCAT; GIG18; cAspAT; ASTQTL1
NCBI Protein Information	aspartate aminotransferase, cytoplasmic
UniProt Protein Name	Aspartate aminotransferase, cytoplasmic
UniProt Gene Name	GOT1
UniProt Synonym Gene Names	cAspAT; cCAT

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.