

# Gamma aminobutyrate transaminase 3, chloroplastic (GABA-TP3), Recombinant Protein

Cat *RP15349*

Size 0.02 mg (*E-Coli*)/ 0.02 mg (*Yeast*)/ 0.1 mg (*E-Coli*)/ 0.1 mg (*Yeast*)/ 0.02 mg (*Baculovirus*)/ 0.02 mg (*Mammalian-Cell*)/ 0.1

mg (*Baculovirus*)/ 1 mg (*E-Coli*)/ 0.1 mg (*Mammalian-Cell*)/ 1 mg (*Yeast*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)  
Species *Solanum lycopersicum* (Tomato) (*Lycopersicon esculentum*)

## Full Product Name

Recombinant *Solanum lycopersicum* Gamma aminobutyrate transaminase 3, chloroplastic (GABA-TP3)

## Product Gene Name

GABA-TP3 recombinant protein

## Product Synonym Gene Name

GABA-TP3

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

WSSTETSLKN DISATDVRGY KGHDM LAPFT AGWHSTDLEP LVIQKSEGSY VYDVNGKKYL DALAGLWCTS  
LGGNEPRLVA AATKQLNELA FYHSFWNRST KPSLDLAKEL LDLFTANKMA KAFFTNSGSE ANDTQVKLVW  
YYNNALGRPD KKKFIARTKS YHGSTLISAS LSGLPALHQQ FDLPAFVLH TDCPHFWRFH QPGETEEEFs  
TRLANNLENL ILKEGPETIA AFIAEPMGA GGVI PPPATY FEKVQAILKK YDILFIADEV ICGFGRLGTM  
FGCEKYNIKP DLVSVAKALS SGYMPGAVL VSPEVSDVIY SQSNKLGTFs HGFTYSGHPV SCAVALETLK  
IYKERNII EQ VNRISPKFQE GLKAFSDSPI IGEIRGTGLL HGTEFTDNKS PNDPFPP EWG IGAYFGARCE  
KHGVLVRVAG DNIMMSPPYI LSLEEIDELI IKYGKALKDT ENRVEELKSQ KKI KSS

## Sequence Positions

45-520, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

*E Coli* or *Yeast* or *Baculovirus* or *Mammalian Cell*

## Molecular Weight

57,239 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## Protein Family

Gamma aminobutyrate transaminase

## NCBI Accession #

Q84P52.1

## NCBI GI #

75147511

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
NCBI GeneID 544258

## NCBI Official Full Name

Gamma aminobutyrate transaminase 3, chloroplastic

## NCBI Official Symbol

GABA-TP3

## NCBI Official Synonym Symbols

GABA-T3; SIGABA-T3; LeGABA-TP3

## NCBI Protein Information

gamma aminobutyrate transaminase 3, chloroplastic

## UniProt Gene Name

GABA-TP3

## UniProt Synonym Gene Names

GABA-T3; LeGABA-TP3; SIGABA-T3

## UniProt Protein Name

Gamma aminobutyrate transaminase 3, chloroplastic

## UniProt Synonym Protein Names

Gamma-aminobutyrate transaminase isozyme 3 (EC:2.6.1.96); LeGABA-TP3; SIGABA-T3

## UniProt Primary Accession #

Q84P52

## UniProt Related Accession #

Q84P52

## UniProt Comments

Transaminase that degrades gamma-amino butyric acid (GABA) and uses pyruvate or glyoxylate as amino-group acceptor. Cannot use beta-alanine, ornithine, acetylornithine, serine, glycine, asparagine, glutamine, glutamate, valine, leucine, isoleucine, methionine, phenylalanine, histidine, lysine, arginine, aspartate, threonine, tyrosine, tryptophan, proline, or cysteine as amino donors.

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