Probable isoaspartyl peptidase/L-asparaginase 2 (At3g16150), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP09906*

Size *0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

Species
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name
Recombinant Arabidopsis thaliana Probable isoaspartyl peptidase/L-asparaginase 2 (At3g16150)

Product Gene Name
At3g16150 recombinant protein

Product Synonym Gene Name
At3g16150

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

Sequence
MGGWAIAVHG GAGIDPNLPA ERQEEAKQLL TRCLNLGIIA LRSNVSAIDV VELVIRELET DPLFNSGRGS ALTEKGTVEM EASIMDGTKR RCGAVSGITT VKNPISLARL VMDKSPHSYL AFSGAEDFAR KQGVEIVDNE YFVTDDNVGM LKLAKEANSI LFDYRIPPMG CAGAAATDSP IQMNGLPISI YAPE

Sequence Positions
1-194, 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
18,384 Da

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

Protein Family
Probable isoaspartyl peptidase/L-asparaginase

NCBI Accession
NP_566536.1

NCBI GI
18401029

NCBI GenBank Nucleotide
NM_112485.4

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NCBI GeneID
820860

NCBI Official Full Name
N-terminal nucleophile aminohydrolases (Ntn hydrolases) superfamily protein

NCBI Official Symbol
ASPGB1

NCBI Official Synonym Symbols
asparaginase B1

NCBI Protein Information
N-terminal nucleophile aminohydrolases (Ntn hydrolases) superfamily protein

NCBI Summary
Encodes an asparaginase that catalyzes the degradation of L-asparagine to L-aspartic acid and ammonia.

UniProt Gene Name
At3g16150

UniProt Protein Name
Probable isoaspartyl peptidase/L-asparaginase 2

UniProt Synonym Protein Names
L-asparagine amidohydrolase 2

UniProt Primary Accession
Q8GXG1

UniProt Secondary Accession
Q9LW72

UniProt Related Accession
Q8GXG1

UniProt Comments
Acts in asparagine catabolism and also in the final steps of protein degradation via hydrolysis of a range of isoaspartyl dipeptides.

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