

BAM1 | Beta amylase 1 (chloroplastic)



Cat. No. APA-C-002

Lot. No. (See product label)

Product Name

BAM1 | Beta amylase 1 (chloroplastic)

Host

Rabbit

Immunogen

The mature length protein of *Arabidopsis thaliana* BAM1 overexpressed in *E.coli*, UniProt:Q9LIR6, TAIR: AT3G23920., lacking the transit peptide that is cleaved upon entry to the chloroplast. Recombinant protein had an N-terminal S-tag.

Background

Beta amylase (EC 3.2.1.2) is an enzyme involved in the hydrolysis of starch into sugars. Can play a minor role in the starch degradation and maltose metabolism in chloroplasts during the night.

Format

Lyophilized

Clonality

Polyclonal

Purity

Serum

Quantity

50 µl

Reactivity

Arabidopsis thaliana

Confirmed reactivity

Arabidopsis thaliana

Predicted reactivity

Beta vulgaris, *Brassica napus*, *Brassica oleracea*, *Brassica rapa*., *Camellia sinensis*, *Cajanus cajan*, *Capsella rubella*, *Citrus clementina*, *Citrus sinensis*, *Coffea canephora*, *Cucumis sativus*, *Cynara cardunculus* var. *scolymus*, *Daucus carota* subsp. *sativus*, *Eucalyptus grandis*, *Eutrema salsugineum*, *Glycine max*, *Gossypium arboreum*, *Hordeum vulgare*, *Jatropha curcas*, *Nicotiana tabacum*, *Phaseolus vulgaris*, *Poncirus trifoliata*, *Populus trichocarpa*, *Prunus persica*, *Ricinus communis*, *Solanum lycopersicum*, *Solanum tuberosum*, *Spinacia oleracea*, *Theobroma cacao*, *Vitis vinifera*

Not reactive in

No confirmed exceptions from predicted reactivity are currently known

Reconstitution

For reconstitution add 50 µl of sterile water

Expected/apparent MW

63.7 | 60.9 kDa

Tested applications

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Western blot (WB)

Recommended dilution

1 : 7500 (WB)

Storage

Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

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