

product **AS10 703**

### Deg5 | protease Do-like 5, chloroplastic

#### product information

|                               |   |
|-------------------------------|---|
| <b>background</b>             | Deg5 belongs to S1 chymotrypsin protease family and contains 16 protein members in <i>Arabidopsis thaliana</i> . Deg5 is localized to chloroplast, within the thylakoid. Alternative protein names: DegP5 or HhoA homologue or DegQ (in bacteria)                                       |
| <b>immunogen</b>              | recombinant mature Deg5 of <i>Arabidopsis thaliana</i> <u>Q9SEL7</u> with chloroplast and thylakoid-transfer domains excluded, overexpressed in <i>E.coli</i>   |
| <b>antibody format</b>        | rabbit polyclonal serum lyophilized   |
| <b>quantity</b>               | 200 µl for reconstitution add 200 µl of sterile water.  |
| <b>storage</b>                | store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes. |
| <b>tested applications</b>    | western blot (WB)   |
| <b>additional information</b> | to be added when available  |

#### application information

|                               |   |
|-------------------------------|---|
| <b>recommended dilution</b>   | 1:1000 (WB)   |
| <b>expected   apparent MW</b> | 27.06   28 kDa  |
| <b>confirmed reactivity</b>   | <i>Arabidopsis thaliana</i> , <i>Lycopersicon esculentum</i> , <i>Nicotiana tabacum</i> , <i>Hordeum vulgare</i> , <i>Chlamydomonas reinhardtii</i> , <i>Synechocystis</i> sp. PCC 6803 |
| <b>predicted reactivity</b>   | dicots including: <i>Ricinus communis</i> , <i>Vitis vinifera</i> , monocots: <i>Oryza sativa</i> , <i>Zea mays</i> , trees: <i>Populus balsamifera</i>                                 |
| <b>not reactive in</b>        | no confirmed exceptions from predicted reactivity known in the moment   |
| <b>additional information</b> | to be added when available  |
| <b>selected references</b>    | to be added when available, antibody released in March 2010   |