CZ1048_UG_EN_V2302

Carbohydrate Binding Module 48A, *Rhizobium sp.* (CBM48)

Catalogue number	Presentation
CZ10481	1 mg
CZ10482	3 x 1 mg

Description

Carbohydrate Binding Module 48A (CBM48) is a Carbohydrate Binding Protein originating from *Rhizobium sp.*. The recombinant CBM48, purified from *Escherichia coli*, is a single-domain protein belonging to the Carbohydrate Binding Module family 48 (CBM48, see more details at www.cazy.org). The protein is supplied in a solution containing 35 mM NaHepes buffer (pH 7.5), 750 mM NaCl, 200 mM Imidazole, 3.5 mM $CaCl_2$, and 25% (v/v) glycerol, at a concentration of 1 mg/mL. Bulk quantities of this product can be made available upon request. To place an order, simply visit our website. We offer fast and secure shipping worldwide.

Electrophoretic Purity

The molecular integrity and purity of CBM48 were evaluated using sodium dodecyl sulfate-polyacrylamide gel electrophoresis (SDS-PAGE), followed by BlueSafe staining (MB15201) (Figure 1).

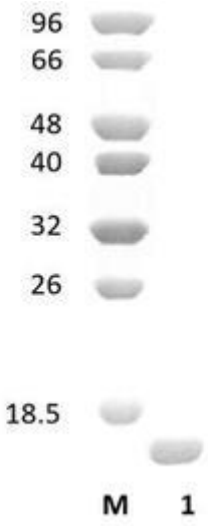

Figure 1. SDS-PAGE analysis of CBM48 was conducted in (Lane 1), employing a 14% polyacrylamide gel. The enzyme exhibits a band corresponding to a molecular weight of approximately 14,31 kDa. Lane M contains a Protein Marker for reference.

Storage temperature

The protein should be stored at -30°C to -15°C in a constant temperature freezer. The protein will remain stable till the expiry date if stored as specified.

Ligand specificity

CBM48 binds to glycogen.

Customer Support

Our dedicated customer support team is always ready to assist you with any questions or technical issues you may have. Reach us via email at info@nzytech.com.

Quality control assay

Protein purity is determined to be ≥90%, as assessed by SDS-PAGE and subsequent BlueSafe staining (MB15201).