

Clostridium Cwp84 Recombinant Protein

PX-P1083-10

DESCRIPTION

Cwp84 is a *Clostridium. difficile* surface protein that has recently been shown to possess cysteine protease activity and which is highly immunogenic in patients with *C. difficile*-associated disease and is likely implicated in the pathogenic process and may have a role in the degradation of extracellular matrices. This enzyme, which appears to be displayed on the bacterial cell surface, exhibited degrading activity against fibronectin, laminin, and vitronectin. Cwp84 plays also a role in maturation of SlpA.

OVERVIEW

SIZE	10 ug
ORIGIN SPECIES	Clostridium
FRAGMENT	Partial (no SLP)
PROTEIN DELIVERED WITH TAG	Yes
MOLECULAR WEIGHT WITH TAG IF ANY	83,36 kDa
DELIVERY CONDITION	Dry Ice

PRODUCT INFORMATION

EXPRESSION SYSTEM	Prokaryotic expression
HOST	E.coli
PURITY	0,7
PROTEIN ACCESSION	YP_001089300.1
FORM	liquid
BUFFER	PBS, imidazole 300mM
STABILITY & STORAGE	4°C for short term (1 week), -20°C or -80°C for long term (avoid freezing/thawing cycles; addition of 20-40% glycerol improves cryoprotection)

MORE INFO

GENE ID	4915160
SWISSPROTID	Q183M1
UNIPROT ID	Q183M1
UNIPROT LINK	http://www.uniprot.org/uniprot/Q183M1
NCBI GENE ALIASES	
SYNONYMS	Cwp84, cell surface-associated cysteine protease, CD630_27870

PROTEIN SEQUENCE

MGSSHHHHHSSGLVPRGSHMASAENHKTLDGVETAEYSESYLQYLEDVKNGDTAKYNGVIPFHEMGTTLRNKGRSSL
PSAYKSSVAYNPMDLGLTTPAKNQSLNLCWSFSGMSTLEAYLKLKGYGTYDLSEEHLRWWATGGKYGWNLDDMSGSSNV
TAIGYLTAWAGPKLEKDIPYNLKSEAQGATKPSNMDTAPTQFNVTDVVRLNKDKETVKNAIMQYGSVTSGYAHYSTYFNK
DETAYNCTNKRA

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