

Certificate of Analysis

02.03.2015

Order number: 100151
Protein: QconCAT QcStelder01 Expression in E.coli

Label :	¹⁵ N
Purification :	Ni-NTA
Buffer :	0.5% HAc
Storage :	-80°C
Quality Control :	Purity validation by SDS-PAGE Protein concentration determined by Aminoacid analysis Peptide fingerprint by Maldi-TOF
Protein concentration :	0.493 mg/ml
Aliquots:	8 x 500 µl
Quantity of protein :	1,972 mg

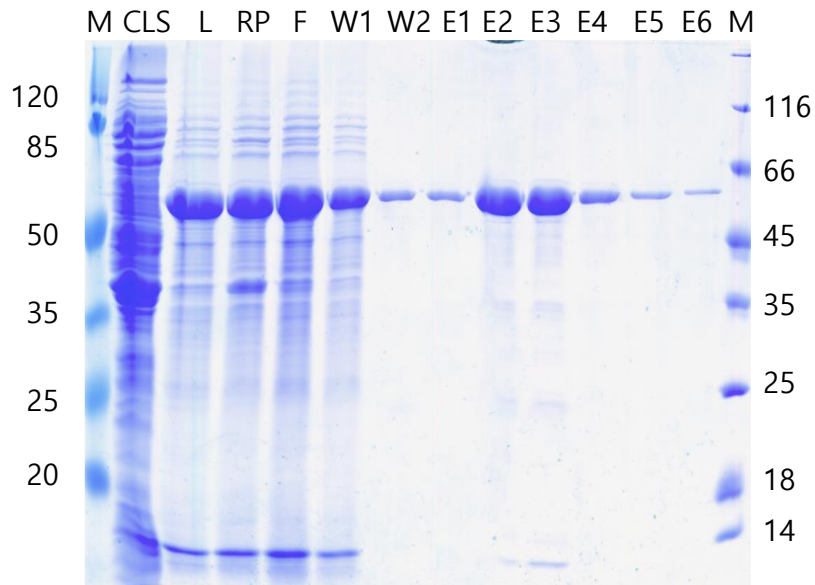
Sequence:

MAGRQSEPVEYETTLADLQKFLWNWDKGTPTIQNAVLLERVDINVYRANVQLVGTSTLLTRATVDSLPIRDLIGS
 FVREEIILIAIKVGGELVSLGKSVSQVVKVNYTDEVSIGYREFVTEVVGETKNASVSEAAAQESKVAQELFQKTSY
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 GAKAVNTAASFLAKEGDPLEIFVDRFITNILQTAQKISQTYNVPLASLAKGDGISYNTYRANAYGHDYVPAKL
 SPLQLQELKLNFEFDLKIALDDGSIVGFSAKSSLSPALADVWRAADGSVILTVSKI IELAPQAVDKTFVSLEPNR
 NTFPTQNELVEISRQATVVMYERGSLSGTQSYTGI IEAAGREGVNDNEEGFFSARLAAALEHHHHHHH

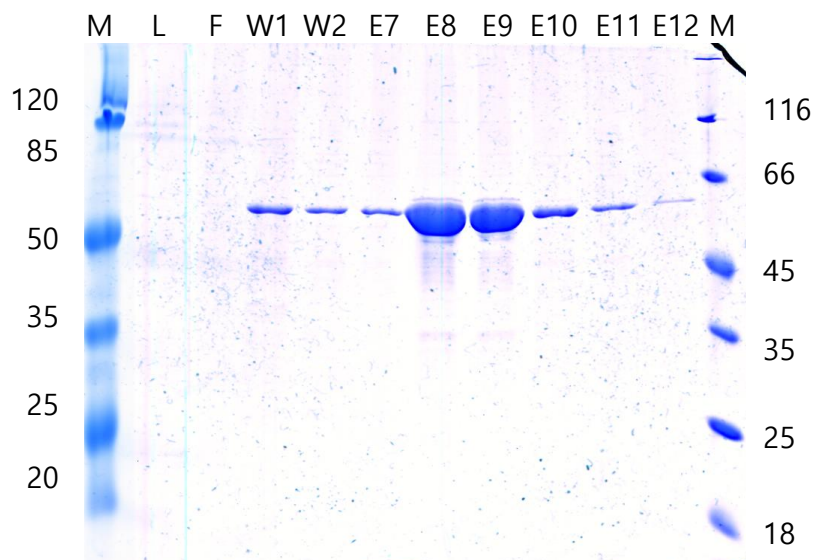
Electrophoresis: (SDS PAGE, 12.5%, Coomassie stain)

Abbr.

CLS cell lysate supernatant
 RP remaining pellet after solubilisation of inclusion bodies
 L load
 F flowthrough
 W wash
 E eluate



Due to the high protein content, the flow-through fraction was re-purified by diluting with binding buffer w/o imidazole and re-applying to the Ni-sepharose.



Fractions 2, 3, 8 & 9 were pooled and dialysed against 0.5% HAc.