Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of DCUN1D1

Enzyme description:- His-DCUN1D1

Clone number:- DU20631

Source:- Recombinant

Tag:- N-terminal His_6

Purification method:- Ni^{++}-Sepharose

Expression level:- 5mg/L

Calculated molecular mass:-

Monoisotopic	32548 Da
Average Mass	32568 Da

[cysteines reduced, methionines have not been oxidised]

Theoretical pI:- 5.55

Purity:- 90%

Enzyme storage buffer:-

50 mM HEPES pH 7.5, 10% glycerol, 150mM NaCl, 1mM DTT

Storage temperature:- -80ºC

Assay:-

Division of Signal Transduction Therapy

Clone Data Sheet

Protein name DCUN1D1

Protein	His-DCUN1D1 1-259 (full length)
Synonyms	DCUN1L1, RP42, SCCRO
Clone Number	DU20631
Species	Human
Accession Number	Protein Q96GG9
Tags	N-terminal His_6
Aminoacid sequence of the expressed protein	MGSSHHHHHHSSGLEVLFQGPGS**MNKLKSSQKDKVRQFMIFTQSSEKTAV SCLSQNDWKLDVATDNFFQNPELYIRESVKGSLDRKKLEQLYNRYKDPQD ENKIGIDGIQQFCDDLALDPASISVLIIAWKFRAATQCEFSKQEFMDGMT ELGCDSIEKLKAQIPKMEQELKEPGRFKDFYQFTFNFAKNPGQKGLDLEM AIAYWNLVLNGRFKFLDLWNKFLLEHHKRSIPKDTWNLLLLDFSTMIADDM SNYDEEGAWPVLIDDFVEFARPQIAGTKSTTV**
Native sequence	in bold
Protease cleavage	Prescission site underlined
Cloning sites	BamH1 Not1

DNA sequence of insert

```
GGATCCATGAACAAGTTGAAATCATCGCAGAAGGATAAAGTTCGTCAGTT
TATGATCTTCACACAATCTAGTGAAAAAACAGCAGTAAGTTGTCTTTCTC
AAAATGACTGGAAGTTAGATGTTGCAACAGATAATTTTTTCCAAAATCCT
GAACTTTATATACGAGAGAGTGTAAAAGGATCATTGGACAGGAAGAAGTT
AGAACAGCTGTACAATAGATACAAAGACCCTCAAGATGAGAATAAAATTG
GAATAGATGGCATACAGCAGTTCTGTGATGACCTGGCACTCGATCCAGCC
AGCATTAGTGTGTTGATTATTGCATGGAAGTTCAGAGCAGCAACACAGTG
CGAGTTCTCCAAACAGGAGTTCATGGATGGCATGACAGAATTAGGATGTG
ACAGCATAGAAAAACTAAAGGCCCAGATACCCAAGATGGAACAAGAATTG
AAAGAACCAGGACGATTTAAGGATTTTTACCAGTTTACTTTTAATTTTGC
AAAGAATCCAGGACAAAAAGGATTAGATCTAGAAATGGCCATTGCCTACT
GGAACTTAGTGCTTAATGGAAGATTTAAATTCTTAGACTTATGGAATAAA
TTTTTGTTGGAACATCATAAACGATCAATACCAAAAGACACTTGGAATCT
TCTTTTAGACTTCAGTACGATGATTGCAGATGACATGTCTAATTATGATG
AAGAAGGAGCATGGCCTGTTCTTATTGATGACTTTGTGGAATTTGCACGC
CCTCAAATTGCTGGGACAAAAAGTACAACAGTGTAGGCGGCCGC
```