Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of Ubiquitin linear dimer

Enzyme description:- Ubiquitin linear dimer

Clone number:- DU20729

Source:- BL21 recombinant

Tag:- cleaved from GST-

Purification method:- GSH-Sepharose, protease treatment, depletion over Q-sepharose, Source 15 S

Expression level:- 1.2mg/L

Calculated molecular mass:-

Monoisotopic	17640 Da
Average Mass	17651 Da

[cysteines reduced, methionines have not been oxidised]

Theoretical pI:- 7.7

Purity:- 90%

Enzyme storage buffer:-

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

Storage temperature:- -80ºC

Assay:-

Protease treatment with USP2, USP5 or CYLD

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Clone Data Sheet

Ubiquitin-dimer (linear)

Protein	Ubiquitin dimer (linear)
Synonyms	Ubiquitin-60S ribosomal protein L40; AltName: CEP52; Ubiquitin A-52 residue ribosomal protein fusion product 1
Clone Number	DU20729
Species	Human
Accession Number	Protein: P62987
Tags	cleaved from GST-Prescission
Aminoacid sequence of the purified protein	**GPLGSAGMQIFVKTLTGKTITLEVEPSDTIENVKAKIQDKEGIPPDQQRLIFAGKQLEDGRTLSDYNIQKESTLHLVLRLRGGMQIFVKTLTGKTITLEVEPSDTIENVKAKIQDKEGIPPDQQRLIFAGKQLEDGRTLSDYNIQKESTLHLVLRLRGG**
Native sequence	
Protease cleavage	Prescission Protease
Cloning sites	NaeI / Sfo1

DNA sequence of insert

GCCGGCATGCAGATCTTCGTGAAGACCCTGACTGGTAAGACCATCACTCT
CGAAGTGGAGCCGAGTGACACCATTGAGAATGTCAAGGCAAAGATCCAAG
ACAAGGAAGGCATCCCTCCTGACCAGCAGAGGTTGATCTTTGCTGGGAAA
CAGCTGGAAGATGGACGCACCCTGTCTGACTACAACATCCAGAAAGAGTC
CACCCTGCACCTGGTCCTCCGTCTCAGAGGCGCC