Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of His-Ubiquitin 2-76 [K48R]

Enzyme description:- Ubiquitin 2-76 [K48R]

Clone number:- DU8736

Source:- BL21 recombinant

Tag:- N-terminal His_6-tag

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

Expression level:- 8 mg/L

Calculated molecular mass:-

Monoisotopic	10909 Da
Average Mass	10916 Da

[cysteines reduced, methionines have not been oxidised]

Theoretical pI:- 7.17

Purity:- 90%

Enzyme storage buffer:-

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

Storage temperature:- -80ºC

Assay:-

Division of Signal Transduction Therapy

Clone Data Sheet

His-Ubiquitin 2-76 [K48R]

Protein	Ubiquitin 2-76 [K48R]
Synonyms	
Clone Number	DU8736
Species	Human
Accession Number	Protein: 62988
Tags	N-terminal His_6 tag
Aminoacid sequence of the expressed protein	MGSPHHHHHHSSGLEVLFQGPGS**QIFVKTLTGKTITLEVEPSDTIENVKA KIQDKEGIPPDQQRLIFAGRQLEDGRTLSDYNIQKESTLHLVLRLRG**G
Native sequence	in bold
Protease cleavage	Prescission protease site underlined
Cloning sites	BglII/BamH1 Xho1
DNA sequence of insert	GGATCCCAGATCTTCGTGAAGACCCTGACTGGTAAGACCATCACTCTCGA AGTGGAGCCGAGTGACACCATTGAGAATGTCAAGGCAAAGATCCAAGACA AGGAAGGCATCCCTCCTGACCAGCAGAGGTTGATCTTTGCTGGGAGACAG CTGGAAGATGGACGCACCCTGTCTGACTACAACATCCAGAAAGAGTCCAC CCTGCACCTGGTCCTCCGTCTCAGAGGTGGGTGATAACTCGACTCGAG