Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of UBE3C 641-1083 (end)

Enzyme description:- UBE3C 641-1083 (end)

Clone number:- DU45301

Source:- insect recombinant

Tag:- cleaved from N-terminal GST

Purification method:- GSH-Sepharose, Prescission Protease

Expression level:- 3mg/L

Calculated molecular mass:-

Monoisotopic	51053 Da
Average Mass	51084Da

[cysteines reduced, methionines have not been oxidised]

Theoretical pI:- 5.65

Purity:- 80%

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

UBE3C 641-1083

Protein	UBE3C 641-1083
Synonyms	HECTH2
Clone Number	DU45301
Species	Human
Accession Number	Protein: Q15386 DNA NM_014671
Tags	cleaved from N-terminal GST
Aminoacid sequence of the expressed protein	GP**LGSPEFQLYVPASRHVWRFRRMGRIGPLQSTLDVGLESPPLSVSEERQLA VLTELPFVVPFEERVKIFQRLIYADKQEVQGDGPFLDGINVTIRRNYIYEDA YDKLSPENEPDLKKRIRVHLLNAHGLDEAGIDGGGIFREFLNELLKSGFNPN QGFFKTTNEGLLYPNPAAQMLVGDSFARHYYFLGRMLGKALYENMLVELPFA GFFLSKLLGTSADVDIHHLASLDPEVYKNLLFLKSYEDDVEELGLNFTVVNN DLGEAQVVELKFGGKDIPVTSANRIAYIHLVADYRLNRQIRQHCLAFRQGLA NVVSLEWLRMFDQQEIQVLISGAQVPISLEDLKSFTNYSGGYSADHPVIKVF WRVVEGFTDEEKRKLLKFVTSCSRPPLLGFKELYPAFCIHNGGSDLERLPTA STCMNLLKLPEFYDETLLRSKLLYAIECAAGFELS**
Native sequence	in bold
Protease site	Prescission Protease
Cloning sites	EcoR1/Not1

DNA sequence of the expression cassette

ATGTCCCCTATACTAGGTTATTGGAAAATTAAGGGCCTTGTGCAACCCAC
TCGACTTCTTTTGGAATATCTTGAAGAAAAATATGAAGAGCATTTGTATG
AGCGCGATGAAGGTGATAAATGGCGAAACAAAAAGTTTGAATTGGGTTTG
GAGTTTCCCAATCTTCCTTATTATATTGATGGTGATGTTAAATTAACACA
GTCTATGGCCATCATACGTTATATAGCTGACAAGCACAACATGTTGGGTG
GTTGTCCAAAAGAGCGTGCAGAGATTTCAATGCTTGAAGGAGCGGTTTTG
GATATTAGATACGGTGTTTCGAGAATTGCATATAGTAAAGACTTTGAAAC
TCTCAAAGTTGATTTTCTTAGCAAGCTACCTGAAATGCTGAAAATGTTCG
AAGATCGTTTATGTCATAAAACATATTTAAATGGTGATCATGTAACCCAT
CCTGACTTCATGTTGTATGACGCTCTTGATGTTGTTTTATACATGGACCC
AATGTGCCTGGATGCGTTCCCAAAATTAGTTTGTTTTAAAAAACGTATTG
AAGCTATCCCACAAATTGATAAGTACTTGAAATCCAGCAAGTATATAGCA
TGGCCTTTGCAGGGCTGGCAAGCCACGTTTGGTGGTGGCGACCATCCTCC
AAAATCGGATCTGGAAGTTCTGTTCCAGGGGCCCCTGGGATCCCCGGAAT
TCCAGCTCTATGTGCCAGCATCCAGACATGTGTGGAGGTTCCGGCGGATG
GGGAGGATAGGCCCGCTGCAGTCCACCCTGGACGTGGGTTTGGAGTCCCC
GCCGCTGTCTGTGTCTGAGGAAAGACAGCTTGCTGTCCTGACAGAGTTGC
CTTTTGTGGTTCCATTTGAGGAACGAGTAAAGATCTTTCAGAGGTTGATT
TATGCAGATAAGCAAGAAGTTCAAGGAGATGGTCCATTTCTGGATGGAAT
TAATGTCACAATAAGAAGAAATTACATTTATGAAGATGCTTATGACAAAC
TTTCTCCAGAAAATGAGCCTGATTTGAAAAAGCGGATCCGTGTGCACTTG
CTCAATGCCCATGGCCTGGATGAAGCTGGCATTGATGGTGGTGGTATTTT
CAGAGAGTTTTTAAATGAACTACTGAAGTCAGGATTTAACCCCAACCAGG
GGTTCTTTAAGACTACTAATGAAGGGCTTCTGTACCCCAACCCGGCTGCT
CAGATGCTTGTGGGAGATTCTTTTGCCAGACATTACTACTTCCTAGGCAG
AATGCTTGGAAAGGCTCTCTATGAGAACATGCTGGTGGAGCTGCCCTTTG
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CACCACCTCGCCTCCCTAGACCCTGAGGTGTATAAGAATTTGCTCTTTCT
GAAGAGCTACGAAGACGATGTGGAGGAGCTTGGGCTGAACTTCACTGTGG
TGAACAATGACCTGGGAGAGGCGCAGGTAGTTGAACTAAAATTCGGTGGG
AAAGACATCCCTGTCACCAGCGCCAACCGGATTGCGTACATCCACTTGGT
GGCAGACTACAGGCTGAACAGGCAGATCCGCCAGCACTGCCTGGCTTTCC
GCCAGGGCCTTGCCAATGTCGTCAGCCTCGAGTGGCTCCGAATGTTTGAT
CAGCAAGAAATTCAGGTATTAATTTCTGGTGCACAAGTTCCCATAAGCCT
AGAGGACCTAAAATCCTTTACAAACTATTCAGGAGGCTATTCTGCAGACC
ATCCTGTTATTAAGGTCTTCTGGAGAGTTGTGGAAGGGTTCACTGATGAA
GAAAAGCGCAAACTGCTGAAGTTTGTAACAAGCTGCTCTCGACCCCCTCT
CTTGGGGTTTAAGGAGTTGTATCCCGCATTTTGTATTCACAACGGAGGCT
CCGACCTTGAGCGGCTCCCCACAGCCAGCACCTGCATGAACCTGCTGAAG
CTCCCCGAGTTCTATGACGAGACACTTTTGCGAAGTAAACTTCTCTATGC
GATTGAATGTGCCGCTGGCTTTGAGCTGAGCTGA