Division of Signal Transduction Therapy

Standard Operation Procedure

GST-Cezanne C194A

Enzyme description:- GST-Cezanne C194A

Clone number:- DU25154

Source:- BL21 Recombinant

Tag:- N-terminal GST

Purification method:- GSH sepharose

Expression level:- 1 mg/L

Calculated molecular mass:-

Monoisotopic	119615 Da
Average Mass	119687 Da

[cycsteines reduced, methionines have not been oxidised]

Theoretical pI:- 6.36

Purity:- 50%

Enzyme storage buffer:-

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

Storage temperature:- -80ºC

Assay:-

Ub-Rho110-Gly cleavage assay monitored by Ex/Em 485/535 nm

Assay buffer:-

40 mM Tris pH 7.5, 100 mM NaCl, 5 mM DTT, 0.01% Triton X-100, 0.005% Ovalbumin, 0.5 µM Ub-Rho110-Gly

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Clone Data Sheet

GST-Cezanne C194A

Protein	GST-Cezanne
Synonyms	OTUD7B, ZA20D1
Clone Number	DU25154
Species	Human
Accession Number	Protein: Q6GQQ9
Tags	N-terminal GST tag
Amino acid sequence of expressed protein	MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGL EFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAEISMLEGAVL DIRYGVSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTH PDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPQIDKYLKSSKYIA WPLQGWQATFGGGDHPPKSDLEVLFQGPLGSPEF**MTLDMDAVLSDFVRST** **GAEPGLARDLLEGKNWDVNAALSDFEQLRQVHAGNLPPSFSEGSGGSRTP** **EKGFSDREPTRPPRPILQRQDDIVQEKRLSRGISHASSSIVSLARSHVSS** **NGGGGGSNEHPLEMPICAFQLPDLTVYNEDFRSFIERDLIEQSMLVALEQ** **AGRLNWWVSVDPTSQRLLPLATTGDGNALLHAASLGMWGFHDRDLMLRKA** **LYALMEKGVEKEALKRRWRWQQTQQNKESGLVYTEDEWQKEWNELIKLAS** **SEPRMHLGTNGANCGGVESSEEPVYESLEEFHVFVLAHVLRRPIVVVADT** **MLRDSGGEAFAPIPFGGIYLPLEVPASQCHRSPLVLAYDQAHFSALVSME** **QKENTKEQAVIPLTDSEYKLLPLHFAVDPGKGWEWGKDDSDNVRLASVIL** **SLEVKLHLLHSYMNVKWIPLSSDAQAPLAQPESPTASAGDEPRSTPESGD** **SDKESVGSSSTSNEGGRRKEKSKRDREKDKKRADSVANKLGSFGKTLGSK** **LKKNMGGLMHSKGSKPGGVGTGLGGSSGTETLEKKKKNSLKSWKGGKEEA** **AGDGPVSEKPPAESVGNGGSKYSQEVMQSLSILRTAMQGEGKFIFVGTLK** **MGHRHQYQEEMIQRYLSDAEERFLAEQKQKEAERKIMNGGIGGGPPPAKK** **PEPDAREEQPTGPPAESRAMAFSTGYPGDFTIPRPSGGGVHCQEPRRQLA** **GGPCVGGLPPYATFPRQCPPGRPYPHQDSIPSLEPGSHSKDGLHRGALLP** **PPYRVADSYSNGYREPPEPDGWAGGLRGLPPTQTKCKQPNCSFYGHPETN** **NFCSCCYREELRRREREPDGELLVHRF**
Native sequence	in bold
Protease cleavage	Precission site underlined
Cloning sites	EcoR1 / Not1

DNA sequence of insert

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