Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of

Enzyme description:- BIRC3

Clone number:- DU32417

Source:- Recombinant

Tag:- N-terminal GST

Purification method:- GSH-Sepharose

Expression level:- 0.1mg/L

Calculated molecular mass:-

Monoisotopic	95134
Average Mass	95193

[cysteines reduced, methionines have not been oxidised]

Theoretical pI:- 5.64

Purity:- 50%-70% variable

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

Protein	BIRC3 1-604 (full length)
Synonyms	IAP1, API2, MIHC, RNF49
Clone Number	DU32417
Species	Human
Accession Number	Protein Q13489
Tags	N-terminal GST
Aminoacid sequence of the expressed protein	MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGL EFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAEISMLEGAVL DIRYGVSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTH PDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPQIDKYLKSSKYIA WPLQGWQATFGGGDHPPKSDLEVLFQGPLGS**MNIVENSIFLSNLMKSANT** **FELKYDLSCELYRMSTYSTFPAGVPVSERSLARAGFYYTGVNDKVKCFCC** **GLMLDNWKRGDSPTEKHKKLYPSCRFVQSLNSVNNLEATSQPTFPSSVTN** **STHSLLPGTENSGYFRGSYSNSPSNPVNSRANQDFSALMRSSYHCAMNNE** **NARLLTFQTWPLTFLSPTDLAKAGFYYIGPGDRVACFACGGKLSNWEPKD** **NAMSEHLRHFPKCPFIENQLQDTSRYTVSNLSMQTHAARFKTFFNWPSSV** **LVNPEQLASAGFYYVGNSDDVKCFCCDGGLRCWESGDDPWVQHAKWFPRC** **EYLIRIKGQEFIRQVQASYPHLLEQLLSTSDSPGDENAESSIIHFEPGED** **HSEDAIMMNTPVINAAVEMGFSRSLVKQTVQRKILATGENYRLVNDLVLD** **LLNAEDEIREEERERATEEKESNDLLLIRKNRMALFQHLTCVIPILDSLL** **TAGIINEQEHDVIKQKTQTSLQARELIDTILVKGNIAATVFRNSLQEAEA** **VLYEHLFVQQDIKYIPTEDVSDLPVEEQLRRLQEERTCKVCMDKEVSIVF** **IPCGHLVVCKDCAPSLRKCPICRSTIKGTVRTFLS**
Native sequence	1-604 in bold
Protease cleavage	Prescission site underlined
Cloning sites	BamH1 / Not1

DNA sequence of insert

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TGCTTCTGTTGTGGCCTGATGCTGGATAACTGGAAAAGAGGAGACAGTCC
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