

Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of RNF113B

Enzyme description:- GST-RNF113B

Clone number:- DU21901

Source:- Recombinant

Tag:- N-terminal GST

Purification method:- GSH-Sepharose

Expression level:- 0.8 mg/L

Calculated molecular mass:-

Monoisotopic 62896 Da

Average Mass 62935 Da

[cysteines reduced, methionines have not been oxidised]

Theoretical pI:- 6.97

Purity:- 80 %

Enzyme storage buffer:-

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

Storage temperature:- -80°C

Assay:-

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Clone Data Sheet

Protein name RNF113B

Protein GST-RNF113B 1 - 322 (full length)
Synonyms RNF161, ZNF183L1
Clone Number DU21901
Species Human
Accession Number Protein: Q8IZP6 DNA: NM_178861.4
Tags N-terminal GST

Aminoacid sequence of the expressed protein
MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGL
EFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAEISMLEGAVL
DIRYGVSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTH
PDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPOIDKYLKSSKYIA
WPLQGWQATFGGGDHPPKSDENLYFOGG**SMAAPSPGRTADQADQVCTFL**
FKKPGRKGAAGLRKRPACDPEHGESSSSGDEGDTVAQPPRVAPRPRGLHS
WQKAAHGDRRGEEAAPESLDVVYRSTRSAKPVGPEDMGATADFEQDTEKE
HHTPTILKCSQRVQREALRGREHDHIYRGIHSYLRYLKPKDTSMGNSSSGM
ARKGPIRAPGHLRATVRWDYQPDICKDYKETGFCGFGDSCKFLHDRSDYK
LGWEIERELEEGRYCICEDENHEVGSEEEEIPFRCFICRQAFQNPVVTKC
RHYFCESCALEHFRATPRCYICDQPTGGIFNPAKELMAKLOKLQAAEGKK
R

Native sequence in bold
Protease cleavage TEV protease site underlined
Cloning sites BamH1 / NotI

DNA sequence of the expression cassette
ATGTCCCCTATACTAGGTTATTGGAAAATTAAGGGCCTTGTGCAACCCAC
TCGACTTCTTTTGGAAATATCTTGAAGAAAAATATGAAGAGCATTGTATG
AGCGCGATGAAGGTGATAAATGGCGAAAACAAAAGTTTTGAATTGGGTTTG
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