

Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of GST-RNF11

Enzyme description:- RNF11 1-154 (full length)

Clone number:- DU12741

Source:- Recombinant

Tag:- N-terminal GST

Purification method:- GSH-Sepharose

Expression level:- 2mg/L

Calculated molecular mass:-

Monoisotopic 44238

Average Mass 44267

[cysteines reduced, methionines have not been oxidised]

Theoretical pI:- 5.14

Purity:- 90%

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 RNF11

<u>Protein</u>	GST-RNF11
<u>Synonyms</u>	
<u>Clone Number</u>	DU12741
<u>Species</u>	Human
<u>Accession Number</u>	Protein: NP_055187 DNA: <u>NM_014372.4</u>
<u>Tags</u>	N-terminal GST
Aminoacid sequence of the expressed protein	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGL EFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAIEISMLEGAVL DIRYGVSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTH PDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPOIDKYLKSSKYIA WPLQGWQATFGGGDHPPKSD <u>LEVLFQGPLGSMGNCLKSPTSDDISLLHES</u> QSDRASFGEGTEPDQEPPPPYQEQVPVPVYHPTPSQTRLATQLTEEEQIR IAQRIGLIQHLPKGVYDPGRDGSEKKIRECVICMMDFVYGDPIRFLPCMH IYHLDCIDDWLMRSFTCPSCMEPVDAALLSSYETN
Native sequence	In bold
Protease cleavage	Prescission Protease site underlined
Cloning sites	BamH1 Not1

**DNA sequence of
insert**

GGATCCATGGGGAAGTGCCTCAAATCCCCACCTCGGATGACATCTCCCT
GCTTCACGAGTCTCAGTCCGACCGGGCTAGCTTTGGCGAGGGGACGGAGC
CGGATCAGGAGCCGCCGCCATATCAGGAACAAGTTCCAGTCCAGTC
TACCACCAACACCTAGCCAGACTCGGCTAGCAACTCAGCTGACTGAAGA
GGAACAAATTAGGATAGCTCAAAGAATAGGTCTTATACAACATCTGCCTA
AAGGAGTTTATGACCCTGGAAGAGATGGATCAGAAAAAAGATCCGGGAG
TGTGTGATCTGTATGATGGACTTTGTTTATGGGGACCAATTCGATTTCT
GCCGTGCATGCACATCTATCACCTGGACTGTATAGATGACTGGTTGATGA
GATCCTTCACGTGCCCTCCTGCATGGAGCCAGTTGATGCAGCACTGCTT
TCATCCTATGAGACTAATTGAGCGGCCGC