

## *Division of Signal Transduction Therapy*

### **Standard Operation Procedure**

#### **Preparation of RNF7**

<b><u>Enzyme description:-</u></b>	GST-RNF7
<b><u>Clone number:-</u></b>	DU21923
<b><u>Source:-</u></b>	Recombinant
<b><u>Tag:-</u></b>	N-terminal GST
<b><u>Purification method:-</u></b>	GSH-Sepharose
<b><u>Expression level:-</u></b>	0.3 mg/L
<b><u>Calculated molecular mass:-</u></b>	
Monoisotopic	39481 Da
Average Mass	39506 Da
[cysteines reduced, methionines have not been oxidised]	
<b><u>Theoretical pI:-</u></b>	7.80
<b><u>Purity:-</u></b>	90 %
<b><u>Enzyme storage buffer:-</u></b>	
50 mM HEPES pH 7.5, 10% glycerol, 150mM NaCl, 1mM DTT	
<b><u>Storage temperature:-</u></b>	-80°C
<b><u>Assay:-</u></b>	

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**Clone Data Sheet**

**Protein name RNF7**

<b><u>Protein</u></b>	GST-RNF7 1 - 113 (full length)
<b><u>Synonyms</u></b>	Rbx2, ROC2, SAC
<b><u>Clone Number</u></b>	DU21923
<b><u>Species</u></b>	Human
<b><u>Accession Number</u></b>	Protein : Q9UBF6
<b><u>Tags</u></b>	N-terminal GST
Aminoacid sequence of the expressed protein	MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAEISMLEGAVLDIRYGVSRIAYSKDFETLKVDFLSKLPPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPOIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLEVLFOGPLGSMADVEDGEETCALASHSGSSGSKSGGDKMFSLKKNNAVAMWSWDVECDTCAICRVQVMDACLRCQAENKQEDCVVVWGECNHSFHNCMSLWVKQNNRCPLCQODWVVQRIGK
Native sequence	in bold
Protease cleavage	Prescission site underlined
Cloning sites	EcoR1 /
<b><u>DNA sequence of insert</u></b>	ggatccATGGCCGACGTGGAAGACGGAGAGGAAACCTGCGCCCTGGCCTCTCACTCCGGGAGCTCAGGCTCCAAGTCCGGGAGGCGACAAGATGTTCTCCCTCAAGAAGTGGAACGCGGTGCGCCATGTGGAGCTGGGACGTGGAGTGCGATACGTGCGCCATCTGCAGGGTCCAGGTGATGGATGCCTGTCCTTAGATGTCAAGCTGAAAACAAACAAGAGGACTGTGTTGTGGTCTGGGGAGAATGTAATCATTCCTTCCACAACCTGCTGCATGTCCCTGTGGGTGAAACAGAACAATCGCTGCCCTCTCTGCCAGCAGGACTGGGTGGTCCAAAGAATCGGCAATGAGGGCCAAGGGCGAATTC