

Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of GST-HOIP 299-330

<u>Enzyme description:-</u>	GST-HOIP 299-330
<u>Clone number:-</u>	DU43789
<u>Source:-</u>	BL21 recombinant
<u>Tag:-</u>	cleaved from N-terminal GST
<u>Purification method:-</u>	GSH-Sepharose
<u>Expression level:-</u>	12mg/L
<u>Calculated molecular mass:-</u>	
Monoisotopic	31165 Da
Average Mass	31185 Da
[cysteines reduced, methionines have not been oxidised]	
<u>Theoretical pI:-</u>	6.17
<u>Purity:-</u>	90%
<u>Enzyme storage buffer:-</u>	
50mM HEPES pH 7.5, 150mM NaCl, 10% glycerol, 0.5mM TCEP	
<u>Storage temperature:-</u>	-80°C
<u>Assay:-</u>	

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Clone Data Sheet

GST-HOIP 299-330

<u>Protein</u>	GST-HOIP 299-330
<u>Synonyms</u>	RNF31
<u>Clone Number</u>	DU43789
<u>Species</u>	Human
<u>Accession Number</u>	Protein: Q96EP0 DNA: NM_017999.4
<u>Tags</u>	N-terminal GST
Aminoacid sequence of the expressed protein	MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAIEISMLEGAVLDIRYGVSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLEVLFGPLGSENLYFQGS AHL PWHCAACA MLNEPWAVLCVACDRPRGCK
Native sequence	in bold
Protease site	TEV site underlined
Cloning sites	EcoR1/NotI

DNA sequence of expression cassette

ATGTCCTCCCTATATACTAGGTTATTGGAAAAAATTAAGGGCCTTGTGCAACCC
ACTCGACTTCTTTTGGAAATATCTTGAAGAAAAATATGAAGAGCATTGTG
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