

Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of HUWE1 [1299-1690]

Enzyme description:- GST-HUWE1 1299-1690

Clone number:- DU43500

Source:- BL21 recombinant

Tag:- N-terminal GST-tag

Purification method:- GSH-Sepharose

Expression level:- 2 mg/L

Calculated molecular mass:-

Monoisotopic 71519 Da

Average Mass 71564 Da

[cysteines reduced, methionines have not been oxidised]

Theoretical pI:- 5.18

Purity:- 50%

Enzyme storage buffer:-

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

Storage temperature:- -80°C

Assay:-

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Clone Data Sheet

GST-HUWE1 [1299-1690]

<u>Protein</u>	GST-HUWE1 (1299-1690)
<u>Synonyms</u>	HECT, UBA and WWE domain-containing protein 1; ARF-binding protein 1; ARF-BP1; Homologous to E6AP carboxyl terminus homologous protein 9; HectH9; Large structure of UREB1; LASU1; Mcl-1ubiquitin ligase E3; Mule; Upstream regulatory element-binding protein 1; URE-B1; URE-binding protein1.
<u>Clone Number</u>	DU43500
<u>Species</u>	Human
<u>Accession Number</u>	Protein: Q7Z6Z7, DNA: NM_031407
<u>Tags</u>	N-terminal GST-tag
Aminoacid sequence of the expressed protein	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEF PNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAEISMLEGAVLDIRY GVSRIAYSKDFETLKVDFLSKLPPEMLKMFEDRLCHKTYLNGDHVTHPDFMLY DALDVVLYMDPMCLDAFPKLVCFKKRIEAIPOIDKYLKSSKYIAWPLOGWQA TFGGGDHPPKSDENLYFQGG SRGEEDTGQEEGGSRREPQVNQQQLQQLMDMG FTREHAMEALLNTSTMEQATEYLLTHPPPIMGGVVRDLSMSEEDQMMRAIAM SLGQDIPMDQRAESPEEVACRKEEEERKAREKQEEEEAKCLEKFQDADPLEQ DELHTFTDTMLPGCFHLLDEL PDTVYRVCDLIMTAIKRNGADYRDMILKQVV NQVWEAADVLIKAALPLTTS DTKTVSEWISOMATLPQASNLATRILLTLLF EELKLPCAWVVESSGILNVLIKLEVVQPCLQAAKEQKEVQTPKWI TPVLLL IDFYEKTAISSKRRAQMTKYLQSNNSNNRWFDDRSGRWCSSASNNSTIDSA WKSGETSVRFTAGRRRYTVQFTTMVQVNEETGNRRPVMLTLLRVPRLNK
Native sequence	in bold
Protease cleavage	TEV protease site underlined
Cloning sites	BamH1 NotI
<u>DNA sequence of insert</u>	ggatcccgaggagaagaggatacagggcaagaggaaggtggctcccgccg ggaacctcaagtcaaccagcaacaactAcaacagctcatggacatgggct tcacaagggaacatgcaatggaggcactggtgaacaccagcaccatggag caggccacagagtaccttttaaccaccctcctccaatcatgggaggagt tgttcgggatctcagcatgtctgaagaggaccagatgatgagagcaattg ctatgtctctgggacaggatattccaatggatcaaagggcagagtcacct gaggaagttgcttgccggaaggaggaagaggaacggaaagctcgggaaa gcaggaggaggaagaggctaaatgtctagagaagttccaggatgctgacc cgttggaacaagatgagctccacactttcacagatactatggtgccaggc tgcttccaccttcttgatgagctgccagacacagatataccgtgtgtgga cctgatcatgacagcaatcaaacgtaatggagcagattatcgtgacatga ttctgaagcaagtagtcaatcaggtgtgggaagctgctgatgtattgatc aaagctgctcttcccctgacaacaagtgacacaaaaaccgtgtcagagtg gataagtcagatggccacactgccccaggcctccaatttggtactagaa tcttgcttttaacgctactttttgaggagttgaagctaccttgctgctgg gtggttgaatcaagtggcatccttaatgtcctaatacctaactcttggaggt ggttcagccctgctcagcagccaaggagcagaaggaagtcagacc

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