

## *Division of Signal Transduction Therapy*

### **Standard Operation Procedure**

#### **Preparation of His-UBXN8**

**Enzyme description:-** UBXN8 67-270

**Clone number:-** DU20767

**Source:-** Recombinant

**Tag:-** N-terminal His

**Purification method:-** Ni<sup>++</sup>-Sepharose

**Expression level:-** 2mg/L

**Calculated molecular mass:-**

Monoisotopic 26515 Da

Average Mass 26531 Da

[cysteines reduced, methionines have not been oxidised]

**Theoretical pI:-** 6.3

**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 GST-UBXN8 67-270

<b><u>Protein</u></b>	UBXN8 67-270
<b><u>Synonyms</u></b>	Rep-8, UBXD6
<b><u>Clone Number</u></b>	DU20767
<b><u>Species</u></b>	Human
<b><u>Accession Number</u></b>	Protein: O00124 DNA: NM_005671
<b><u>Tags</u></b>	N-terminal His
Aminoacid sequence of the expressed protein	MGSSHHHHHHSSG <u>LEVLFOGPGSPEFPGVDVYLKEEEEKNEKRQKLV</u> <b>RKK</b> <b>QQEAQGEKASRYIENVLKPHEM</b> <u>KLRLKLEERFYQMTGEAWKLSSGHKLGG</u> <b>DEGTSQTSFETS</b> <u>NREAAKSONLPKPLTEFPSPAEQPTCKEIPDLPEEPSQ</u> <b>TAEVVTVALRCP</b> <u>SGNVLRRRFLKSYSSQVLFDWMTRIGYHISL</u> <b>YSLSTS</b> <b>FPRRPLAVEGGQ</b> <u>SLEDIGITVDTVLILEEKEQTN</u>
Native sequence	residues 67-270 of UBXN8 in bold
Protease cleavage	TEV-site underlined
Cloning sites	Sal1 / Not1

<b><u>DNA sequence of the insert</u></b>	<u>GTCGACGTTTATCTGAAGGAAGAAGAAGAAAAGAATGAGAAAAGACAAA</u> <u>ACTTGTGAGAAAAACAACAAGAAGCACAAGGAGAGAAGGCCAGCAGAT</u> <u>ACATAGAGAATGTTTTAAAACCTCACCAGGAAATGAAATTGAGAAAAC</u> <u>GAGGAGCGCTTTTATCAAATGACGGGTGAAGCCTGGAAATTAAGCAGTGG</u> <u>TCACAAACTTGGGGGTGATGAAGGTACAAGTCAGACATCTTTTGAACAT</u> <u>CAAACAGAGAAGCAGCAAAGAGCCAGAACTTGCCTAAACCTTTAACTGAA</u> <u>TTTCCGTCTCCTGCTGAACAGCCACATGCAAGGAGATTCCCTGATTTACC</u> <u>TGAAGAACCTTCTCAAACAGCAGAAGAAGTAGTTACTGTTGCTCTCCGAT</u> <u>GTCCAGTGGGAATGTCCTGAGGAGAAGTTTTTGAAGTCCTACAGCTCA</u> <u>CAGGTCTTATTTGACTGGATGACGAGAATTGGGTACCACATATCTCTATA</u> <u>CAGCCTTTCTACTTCCTTTCCAGACGGCCTCTGGCAGTGGAGGGAGGCC</u> <u>AGTCGCTGGAGGACATAGGAATAACTGTGGACACTGTACTCATCCTGGAG</u> <u>GAGAAGGAGCAGACCAACTAGGCGGCCG</u>
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