

Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of KLHL3 [R528H] (1-587 = full length)

<u>Enzyme description:-</u>	KLHL3 [R528H]
<u>Clone number:-</u>	DU23535
<u>Source:-</u>	Recombinant
<u>Tag:-</u>	cleaved from N-terminal Dac
<u>Purification method:-</u>	ampicillin- Sepharose
<u>Expression level:-</u>	5 mg/L
<u>Calculated molecular mass:-</u>	
Monoisotopic	64909 Da
Average Mass	64948 Da
[cysteines reduced, methionines have not been oxidised]	
<u>Theoretical pI:-</u>	5.32
<u>Purity:-</u>	90 %
<u>Enzyme storage buffer:-</u>	
50 mM HEPES pH 7.5, 10% glycerol, 150mM NaCl, 1mM DTT	
<u>Storage temperature:-</u>	-80°C
<u>Assay:-</u>	

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Clone Data Sheet

Protein name KLHL3 [R528H] 1- 587 (full length)

<u>Protein</u>	KLHL3 [R528H] (full length)
<u>Synonyms</u>	Kelch like protein 3
<u>Clone Number</u>	DU23535
<u>Species</u>	Human
<u>Accession Number</u>	Protein: Q9UH77 Gene: NM_017415.2
<u>Tags</u>	N-terminal Dac-TEV-TEV-
Aminoacid sequence of the expressed protein	MSAIPGVPPQIDAESYILIDYNSGKVLAEQNADVRRDPASLTKMMTSYVIG QAMKAGKFKETDLVTIGNDAWATGNPVFKGSSLMFLKPGMQVPVSQLIRG INLQSGNDACVAMADFAAGSQDAFVGLMNSYVNALGLKNTHFQTVHGLDA DGQYSSARDMALIGQALIRDVPNEYSIYKEKEFTFNGIRQLNRNGLLWDN SLNVDGIKTGHTDKAGYNLVSATEGQMRLISAVMGGRTFKGREAESKKL LTWGFRFFETVNPENLYFOGGSENLYFQMEGESVKLSSQTLIQAGDDEKN QRTITVNP AHMGKAFKVMNELRSKQLLCDVMIVAEDVEIEAHRVVLAACS PYFCAMFTGDMSESKAKKIEIKDVDGQTL SKLIDYIYTAEIEVTEENVQV LLPAASLLQLMDVRQNCDFLQSQLHPTNCLGIRAFADVHTCTDLLOQAN AYAEQHFPEVMLGEEFLSLSLDQVCSLISSDKLTVSSEEKVF EAVISWIN YEKETRLEHMAKLMHVRLPLLPRDYL VQTV EEEALIKNNNTCKDFLIEA MKYHLLPLDQRLLIKNPRTPKPTPVSLPKVMIVGGQAPKAIRSVECYDF EEDRWQIAELPSRRCRAGVVF MAGHVYAVGGFNGSLRVRTVDVYDGVKD QWTSIASMQERRSTLGA AVLNDLLYAVGGFDGSTGLASVEAYS YKTNEWF FVAPMNTRRSSVGVGVVEGKLYAVGGYDGASRQCLSTVEQYNPATNEWIY VADMSTRRSGAGVGVLSGQLYATGGHDGPLVRKSVEVYDPGTNTWKQVAD MNMCRHNAGVCAVNGLLYVVGDDGSCNLASVEYYNPVTDKWTLLPTNMS TGRSYAGVAVIHKS
Native sequence	in bold
Protease cleavage	two TEV proteases site underlined
Cloning sites	Bgl11 / Not1 into BamH1 / Not1

**DNA sequence of
the expression
cassette**

ATGTCTGCAATCCCGGGTGTACCGCAGATCGATGCGGAGTCCTACATCCTGA
TTGACTATAACTCCGGCAAAGTGCTCGCCGAACAGAACGCAGATGTCCGCCG
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