

Division of Signal Transduction Therapy

Standard Operation Procedure

Preparation of Flag-FancI (Xenopus Laevis)

<u>Enzyme description:-</u>	FLAG-Fanc I (Xenopus (laevis) 2-1321 FL
<u>Clone number:-</u>	DU25063
<u>Source:-</u>	Recombinant
<u>Tag:-</u>	N-terminal FLAG
<u>Purification method:-</u>	FLAG-Ab-Sepharose
<u>Expression level:-</u>	0.8mg/L
<u>Calculated molecular mass:-</u>	
Monoisotopic	150408 Da
Average Mass	150498 Da
[cysteines reduced, methionines have not been oxidised]	
<u>Theoretical pI:-</u>	6.25
<u>Purity:-</u>	90%
<u>Enzyme storage buffer:-</u>	
50 mM HEPES pH 7.5, 150mM NaCl, 1mM DTT, 0.1mg/ml FLAG peptide	
<u>Storage temperature:-</u>	-80°C
<u>Assay:-</u>	

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Clone Data Sheet

Protein name

Protein FancI (Xenopus Laevis) residues 2-1321

Synonyms

Clone Number DU25063

Species Human

Accession Number NP_001164682

Tags N-terminal FLAG

Aminoacid sequence
of the expressed
protein

MDYKDDDDK**DQKILSLAAEEQNDGLQSYLQNLKETELSEIITKHAVK**GD
CGALLRGVFKGSPCSHDVAVRRRLAVYRHC**IQLVESGDLQREVASEIMGL**
LMLEVHHFPGASLIELANLFADAVKAGT**LSNGKSLDLFPTVLTALSSKES**
LAYGKGELTGEEFKQ**LINSLCSSRWDPQSVIFLTSMFRDVSLSAEELQF**
VVEKVLRLMSKLDLQEMPPLVYQ**LLLLSAKGSKKNIVEGIITIFNDLDQK**
QLVQQENSESLDLE**DATIPQDQLHHVEGTIILHIVFAIKLDQELGRELLK**
YLKAGQQGDSSKILCPFSAALLSVSRIHRFQEQVDFLKSTILRGYKDL
QFHQSSKFLQDLVPQPV**CVSSILLETVKNSVYGWDHVTQGLVELGFILMD**
SFGPKAAFGNKVVELISVHSRTPSQQACQLGSRILLETFKVHEPIRSEIL
EQVLNRVITKAATPVTHFIDLLSDIVVSAPLILQSSSKVTEAFDHL**SFL**
PLTTVQGLLKAVQPL**LKISMSMRDSLILVLRKAMFSSQIDARKSAVAGFL**
LLLRFNFKVLGSLSSSQCSQAIGASQIQVDVHMRYNAAANEAF**CLEILGSL**
RRCLSQQADVRLMLYEGFYDVLRRNSQLASSVMQTL**LSQLKRYYEPEPDL**
LPPLKLEGCITAQGDHIFLQ**EPLAHLCCIHHCLOQWYKSSLQQHRNPDED**
DDDDDDQTGCQQDLNDIMESITRRMIKCDLEDFELDKSADFS**SLASGVGVKN**
NIYAVLVMGICEVLIEYNFI**IANFSKSKFEDILGLFKCYSKLSDILKEKA**
AKGRQPGNNKTARSLISMTFVSTLLTALFRDSTRSHEESLSILRANVDFM
RYSVCVALQKIQQLEETGVTDGPDGQNSEKMFRSLCEITRVL**MWRYTSIP**
AAAENPGKKDKGKTISLLCLEGLLRVFNTVQQRYPSKIPQFLTALD**ALGD**
EDEEGSREINVTEKAAFQIKQFORSLINQLSGGEDDFNSKEALLV**SILS**
TISRLLAPSSQQFVQMLSWTVKICKETNIEDVQFCKGIMNLLFSLHVQ**FK**
SPVSVLRELCQDIHGHLGDIDQDIEVEKQSHFATVSLKTVAPT**VTLVLG**
QAAKVLEEVDWLI**IKLKGLLGSEKLSTEDLTQTSNARVPIEKAILQLGT**
LLTACHELVQTALPAGSCTDTLLKELAKMYTILTSVVKY**YLQICSSHGGQ**
ISARLEKLVKLSGSHLTPQCYAFITYVQNIHSESLSLAAEK**KKKKKEEAL**
TATSAKILRDTKPIPNLIFAIEQYEF**LIHLSKKS**KNL**MQYMKLSTSRD**
FRINAATLDAALQEK**GEDEENEPDNEQAVTEESQEPKKKRRRK**

Native sequence in bold

Protease cleavage n/a

Cloning sites

**DNA sequence of
insert**

ATGGACTACAAAGACGATGACGACAAGGACCAAAAAATTCTGTCTTTGGC
TGCTGAAGAACAAAATGATGGACTTCAGAGTTATCTTCAAAACCTGAAAG
AAACCGAGCTTTTCAGAAATCATAACAAAGCATGCAGTTAAGGGAAAAGAC
TGTGGAGCGCTATTGCGAGGCGTCTTTAAAGGGTCTCCGTGCTCTCATGA
TGTAGCCGTACGCCGAAGGCTCGCGGTTTATAGACACTGCATACAGCTTG
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TTAATGCTGGAGGTCCATCATTTTCCGGGTGCTTCGCTCATTTGAAGTGGC
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TTAGCATATGGTAAAGGTGAACTTACTGGAGAGGAATTTAAGAAACAACT
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GTCTTGGACTGTTAAAATCTGTAAAGAGACAAACATTGAGGATGTCCAGT
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GGGTGATATTGATCAGGATATTGAAGTGGAGAAGCAGTCTCATTTTGCTA
CTGTAAGTCTCAAGACTGtAGCCCCGACTGTTACTTTGTTGGTTCTGGGT
CAAGCTGCAAAGGTCCTGGAAGAAGTGGACTGGCTGATCATAAAGCTGAA
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CTGCTGACTGCCTGCCATGAGTTAGTGCAGACTGCTCTACCTGCTGGGAG
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CGTCCGTTGTCAAATACTACTTACAGATCTGCAGCAGTCACGGGGGACAG
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TTCAGGATAAATGCAGCCACACTAGACGCAGCTTTACAAGAGAAAGGGTC
TGAAGATGAAGAGAATGAGCCAGATAATGAACAGGCTGTAACAGAAGAAG
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