Standard Operating Procedure

Preparation of WDR48 [1 – 677]

Enzyme description:-   WDR48 [1 - 677]

Clone number:-   DU 39046

Source:-   Recombinant

Expression system:-   Baculovirus expression vector system

Tag:-   N–terminal GST

Purification method:-   GSH Agarose

Calculated molecular mass:-
Monoisotopic   103, 947.58 daltons
Average Mass   104, 013.74 daltons
[cysteines reduced, methionines have not been oxidised

Theoretical pl:-   6.38

Purity:-   >80 %

Enzyme storage buffer:-
50 mM Tris-HCl pH 7.5, 270 mM sucrose, 150 mM NaCl, 0.1 mM EGTA,
0.5 mM TCEP

Storage temperature:-   -70 °C

MRCPPU Reagents and Services

Clone Data Sheet

WDR48 [1 - 677]

Protein | WDR48 [1 - 677]

Clone number | DU 39046

Species | Human

Accession number | NM_020839.4

Tags | N-terminal GST

Baculovirus expressed protein

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MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNK
KFELGLEFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKE
RAEISMLEGAVLDIRYGVSRIAYSKDFETLKVDFLSKLPEMLKM
FEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKL
VCFKKRIEAIPQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSD
LEVLFQGPLGSPGIPGSTRAAAMAAHHRQNTAGRRKVQVSYVIR
DEVEKYNRNGVNALQLDPALNRLFTAGRDSIIRIWSVNQHKQDP
YIASMEHHTDWVNDIVLCCNGKTLISASSDTTVKVWNAHKGFCM
STLRTHKDYVKALAYAKDKELVASAGLDRQIFLWDVNTLTALTA
SNNTVTTSSLSGNKDSIYSLAMNQLGTIIVSGSTEKVLRVWDPR
TCAKLMKLKGHTDNVKALLLNRDGTQCLSGSSDGTIRLWSLGQQ
RCIATYRVHDEGVWALQVNDAFTHVYSGGRDRKIYCTDLRNPDI
RVLICEEKAPVLKMELDRSADPPPAIWVATTKSTVNKWTLKGIH
NFRASGDYDNDCTNPITPLCTQPDQVIKGGASIIQCHILNDKRH
ILTKDTNNNVAYWDVLKACKVEDLGKVDFEDEIKKRFKMVYVPN
WFSVDLKTGMLTITLDESDCFAAWVSAKDAGFSSPDGSDPKLNL
GGLLLQALLEYWPRTHVNPMDEEENEVNHVNGEQENRVQKGNGY
FQVPPHTPVIFGEAGGRTLFRLLCRDSGGETESMLLNETVPQWV
IDITVDKNMPKFNKIPFYLQPHASSGAKTLKKDRLSASDMLQVR
KVMEHVYEKIINLDNESQTTSSSNNEKPGEQEKEEDIAVLAEEK
IELLCQDQVLDPNMDLRTVKHFIWKSGGDLTLHYRQKST
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Native sequence | Amino acids M1 – T677 (end residue) of human NEK6. Residue M243 of the fusion protein is equivalent to M1 of the native enzyme. The GST tag is located at residues 1 - 220.

Protease cleavage | PreScission (LEVLFQGP) residues 221 - 228

Cloning sites   *Not*I sites of pFastBac Dual.