



## *Division of Signal Transduction Therapy*

### Clone Data Sheet

**DDR2 [467 - 854]**

**Protein** DDR2 [467 - 854]

**Clone number** DU 32877

**Species** Human

**Accession number** NM\_006182

**Tags** N-terminal GST

**Baculovirus expressed protein** MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELG  
LEFPNLPYYIDGDVKLTQSMAIIRYIADKHNMLGGCPKERAIEISMLEGA  
VLDIRYGVSRIAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDH  
VTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPOIDKYLKSS  
KYIAWPLQGWQATFGGGDHPPKSDLEVLFOGPLGSPGIPGSTRAAASNS  
**TYDRIFPLRPDYQEPSRLIRKLPEFAPGEEESGCSGVVKPVQPSGPEGV**  
**PHYAEADIVNLQGVTTGGNTYSVPAVTMDLLSGKDVAVEEFPRKLLTFKE**  
**KLGEQGFGEVHLCEVEGMEKFKDKDFALDVSANQPVLVAVKMLRADANK**  
**NARNDFLKEIKIMSRLKDPNIHLLAVCITDDPLCMITEYMENGD LNQF**  
**LSRHEPPNSSSSDVRTVSYTNLKFMATQIASGMKYLSSLNFVHRDLATR**  
**NCLVGKNYTIKIADFMSRNLYSGDYRYIQGRAVLPPIRWSWESILLGK**  
**FTTASDVWAFGVTLWETFTFCQEQPYSQLSDEQVIENTGEFFRDQGRQT**  
**YLPQPAICPDSVYKMLMLSCWRRDTKNRPSFQEIHLLLLQOGDE**

**Native sequence** Amino acids S467 – E854 (end) of human DDR2.  
Residue E243 of the fusion protein is equivalent to E467 of the native enzyme. The GST tag is located at residues 1 – 220.

**Protease cleavage** PreScission (LEVLFQGP) residues 221 - 229

**Cloning sites** *Not1* sites in pFastBAC GST

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**Nucleotide  
sequence of insert**

gcggccgcgTCCAACCTCGACTTACGATCGCATCTTTCCCCTTCGCCCTG  
ACTACCAGGAGCCATCCAGGCTGATACGAAAACCTCCAGAATTTGCTCC  
AGGGGAGGAGGAGTCAAGCTGCAGCGGTGTTGTGAAGCCAGTCCAGCCC  
AGTGGCCCTGAGGGGGTGCCCCACTATGCAGAGGCTGACATAGTGAACC  
TCCAAGGAGTGACAGGAGGCAACACATACTCAGTGCCTGCCGTCACCAT  
GGACCTGCTCTCAGGAAAAGATGTGGCTGTGGAGGAGTTCCCCAGGAAA  
CTCCTAACTTTCAAAGAGAAGCTGGGAGAAGGACAGTTTGGGGAGGTTT  
ATCTCTGTGAAGTGGAGGGAATGGAAAAATCAAAGACAAAGATTTTGC  
CCTAGATGTCAGTGCCAACCAGCCTGTCTGGTGGCTGTGAAAATGCTC  
CGAGCAGATGCCAACAAGAATGCCAGGAATGATTTTCTTAAGGAGATAA  
AGATCATGTCTCGGCTCAAGGACCCAAACATCATCCATCTATTAGCTGT  
GTGTATCACTGATGACCCTCTCTGTATGATCACTGAATACATGGAGAAT  
GGAGATCTCAATCAGTTTCTTTCCCGCCACGAGCCCCCTAATTCCTCCT  
CCAGCGATGTACGCACTGTCAGTTACACCAATCTGAAGTTTATGGCTAC  
CCAAATTGCCTCTGGCATGAAGTACCTTTCCTCTCTTAATTTTGTTCAC  
CGAGATCTGGCCACACGAAACTGTTTAGTGGGTAAGAACTACACAATCA  
AGATAGCTGACTTTGGAATGAGCAGGAACCTGTACAGTGGTGACTATTA  
CCGGATCCAGGGCCGGGCAGTGCTCCCTATCCGCTGGATGTCTTGGGAG  
AGTATCTTGCTGGGCAAGTTCACTACAGCAAGTATGTGTGGGCCTTTG  
GGGTTACTTTGTGGGAGACTTTCACCTTTTGTCAAGAACAGCCCTATTC  
CCAGCTGTCAGATGAACAGGTTATTGAGAATACTGGAGAGTTCTTCCGA  
GACCAAGGGAGGCAGACTTACCTCCCTCAACCAGCCATTTGTCCTGACT  
CTGTGTATAAGCTGATGCTCAGCTGCTGGAGAAGAGATACGAAGAACCG  
TCCCTCATCCAAGAAATCCACCTTCTGCTCCTTCAACAAGGCGACGAG  
tgagcggccgc