# Recombinant Human ANKK1 protein, GST-tagged

**Cat. No.** ANKK1-566H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human ANKK1 full-length ORF ( AAI56147.1, 1 a.a. - 765 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **Description** | The protein encoded by this gene belongs to the Ser/Thr protein kinase family, and protein kinase superfamily involved in signal transduction pathways. This gene is closely linked to DRD2 gene (GeneID:1813) on chr 11, and a well studied restriction fragment length polymorphism (RFLP) designated TaqIA, was originally associated with the DRD2 gene, however, later was determined to be located in exon 8 of ANKK1 gene (PMIDs: 18621654, 15146457), where it causes a nonconservative amino acid substitution. It is not clear if this gene plays any role in neuropsychiatric disorders previously associated with Taq1A RFLP. [provided by RefSeq, Sep 2009] |
| **Molecular Mass** | 84.2 kDa |
| **AA Sequence** | MAADPTELRLGSLPVFTRDDFEGDWRLVASGGFSQVFQARHRRWRTEYAIKCAPC LPPDAASSDVNYLIEEAAKMKKIKFQHIVSIYGVCKQPLGIVMEFMANGSLEKVLSTH SLCWKLRFRIIHETSLAMNFLHSIKPPLLHLDLKPGNILLDSNMHVKISDFGLSKWME QSTRMQYIERSALRGMLSYIPPEMFLESNKAPGPKYDVYSFAIVIWELLTQKKPYSGF NMMMIIIRVAAGMRPSLQPVSDQWPSEAQQMVDLMKRCWDQDPKKRPCFLDITIET DILLSLLQSRVAVPESKALARKVSCKLSLRQPGEVNEDISQELMDSDSGNYLKRALQ |

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| | LSDRKNLVPRDEELCIYENKVTPLHFLVAQGSVEQVRLLLAHEVDVDCQTASGYTPL LIAAQDQQPDLCALLLAHGADANRVDEDGWAPLHFAAQNGDDGTARLLLDHGACV DAQEREGWTPLHLAAQNNFENVARLLVSRQADPNLHEAEGKTPLHVAAYFGHVSLV KLLTSQGAELDAQQRNLRTPLHLAVERGKVRAIQHLLKSGAVPDALDQSGYGPLHT AAARGKYLICKMLLRYGASLELPTHQGWTPLHLAAYKGHLEIIHLLAESHANMGALG AVNWTPLHLAARHGEEAVVSALLQCGADPNAAEQSGWTPLHLAVQRSTFLSVINLL EHHANVHARNKVGWTPAHLAALKGNTAILKVLVEAGAQLDVQDGVSCTPLQLALRS RKQGIMSFLEGKEPSVATLGGSKPGAEMEI | |
| **Applications** | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array |
| **Notes** | Best use within three months from the date of receipt of this protein. |
| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCI, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | ANKK1 ankyrin repeat and kinase domain containing 1 [ Homo sapiens ] |
| **Official Symbol** | ANKK1 |
| **Synonyms** | ANKK1; ankyrin repeat and kinase domain containing 1; ankyrin repeat and protein kinase domain-containing protein 1; X kinase; sgK288; X-kinase; sugen kinase 288; protein kinase PKK2; PKK2; |
| **Gene ID** | 255239 |
| **mRNA Refseq** | NM_178510 |

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| **Protein Refseq** | NP_848605 |
| **MIM** | 608774 |
| **UniProt ID** | Q8NFD2 |

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