

Recombinant Human ANKK1 protein, GST-tagged

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

SPECIFICATION

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 Taq1A, 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 QSTRMQYIERSALRGMLSYIPPEMFLESNKAPGPKYDVYSFAIWIWELLTQKKPYSGF NMMMIIRVAAGMRPSLQPVSQWPSEAQQMVDLMKRCWDQDPKKRPCFLDITIET DILLSLLQSRVAVPESKALARKVSKLSLRQPGEVNEDISQELMDSDSGNYLKRALQ

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LSDRKNLVPRDEELCIYENKVTPHLFLVAQGSVEQVRLLLAHEVDVDCQTASGYTPL
LIAAQDQQPDLCALLAHGADANRVDEDGWAPLHFAAQNGDDGTARLLLDHGACV
DAQEREGWTPHLHAAQNNFENVARLLVSRQADPNLHEAEGKTPLHVAAYFGHVSLV
KLLTSQGAELDAQQRNLRTPLHLAVERGKVRAIQHLLKSGAVPDALDQSGYGPLHT
AAARGKYLICKMLLRYGASLELPTHQGWTPHLHAAAYKGHLEIIHLLAESHANMGALG
AVNWTPLHLAARHGEEAVVSALLQCGADPNAAEQSGWTPHLHVAQRSTFLSVINLL
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-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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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