

Recombinant Full Length Human ANKK1 Protein, GST-tagged

Cat. No. ANKK1-1437HF **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	In Vitro Cell Free System
ProteinLength	765 amino acids
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	MAADPTELRL GSLPVFTRDD FEGDWRLVAS GGFSQVFQAR HRRWRTEYAI KCAPCLPPDA ASSDVNYLIE EAAKMKKIKF QHIVSIYGVC KQPLGIVMEF MANGSLEKVL STHSLCWKLR FRIIHETSLA MNFLHSIKPP LLHLDLKPGN ILLDSNMHVK ISDFGLSKWM EQSTRMQYIE RSALRGMLSY IPPEMFLESN KAPGPKYDVY SFAIWIWELL TQKKPYSGFN MMMIIRVAA GMRPSLQPVS

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DQWPSEAQQM VDLMKRCWDQ DPKKRPCFLD ITIETDILLS LLQSRVAVPE
 SKALARKVSC KLSLRQPGEV NEDISQELMD SDSGNYLKRA LQLSDRKNLV
 PRDEELCIYE NKVTPLHFLV AQGSVEQVRL LLAHEVDVDC QTASGYTPLL
 IAAQDQQPDL CALLLAHGAD ANRVEDDGWA PLHFAAQNGD DGTARLLLDH
 GACVDAQERE GWTPHLHAAQ NNFENVARLL VSRQADPNLH EAEGKTPLHV
 AAYFGHVSLV KLLTSQGAEL DAQQRNL RTP LHLAVERGKV RAIQHLLKSG
 AVPDALDQSG YGPLHTAAAR GKYLICKMLL RYGASLELPT HQGWTPHLA
 AYKGHLEIIH LLAESHANMG ALGAVNWTPL HLAARHGEEA VVSALLQCGA
 DPNAAEQSGW TPLHLAVQRS TFLSVINLLE HHANVHARNK VGWTPAHLAA
 LKGNTAILKV LVEAGAQLDV QDGVSCTPLQ LALRSRKQGI MSFLEGKEPS
 VATLGGSKPG AEMEI

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

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](#)

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mRNA Refseq	NM_178510
Protein Refseq	NP_848605
MIM	608774
UniProt ID	Q8NFD2

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