

Recombinant Human PROK2 Protein

Cat. No. PROK2-412H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PROK2, transcript variant 2, was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a protein expressed in the suprachiasmatic nucleus (SCN) circadian clock that may function as the output component of the circadian clock. The secreted form of the encoded protein may also serve as a chemoattractant for neuronal precursor cells in the olfactory bulb. Proteins from other vertebrates which are similar to this gene product were isolated based on homology to snake venom and secretions from frog skin, and have been shown to have diverse functions. Mutations in this gene are associated with Kallmann syndrome 4. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Molecular Mass	8.8 kDa
AA Sequence	AVITGACDKDSQCGGGMCCAVSIWVKSIRICTPMGKLGDSCHPLTRKVPFFGRRMH HTCPCLPGLACLRTSFNRFICLAQK
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).

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Purity >95% as determined by SDS-PAGE and Coomassie blue staining

Concentration Resuspend the protein in the desired concentration in proper buffer

GENE INFORMATION

Gene Name PROK2 prokineticin 2 [Homo sapiens]

Official Symbol PROK2

Synonyms PROK2; prokineticin 2; prokineticin-2; BV8; KAL4; MIT1; PK2; protein Bv8 homolog;

Gene ID 60675

mRNA Refseq NM_001126128

Protein Refseq NP_001119600

MIM 607002

UniProt ID Q9HC23

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