

Recombinant Human PROK2 Protein, His-tagged

Cat. No. PROK2-2625H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PROK2 Protein (Ile30-Gln128) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ile30-Gln128
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.2 kDa Accurate Molecular Mass: 39 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 95%
Applications	Cell culture; Activity Assays.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	PROK2 prokineticin 2 [Homo sapiens (human)]
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

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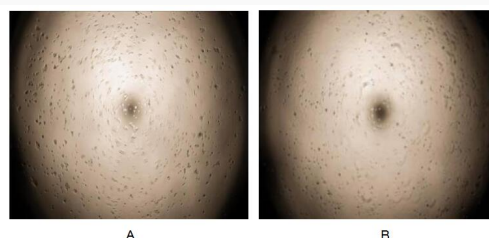
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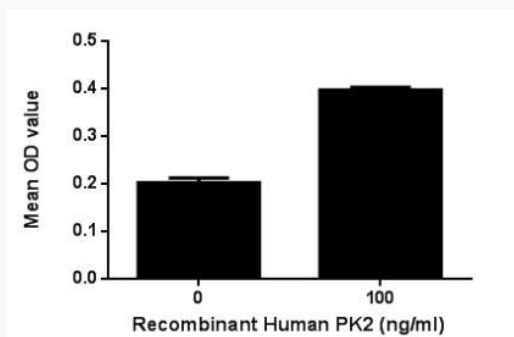
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Bioactivity



Cell proliferation of HCT116 cells after stimulated with PK2.

Bioactivity

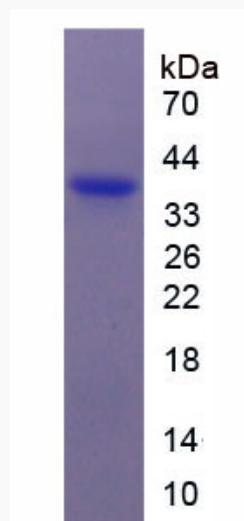


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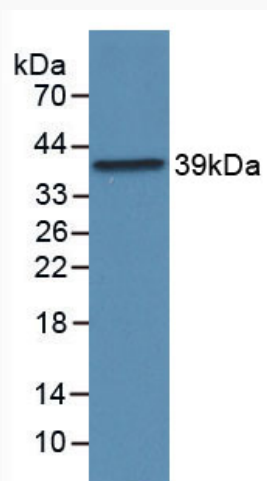
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