

## Prokineticin-2, Human Recombinant

**CATALOG #:** P1006-20 20 µg  
P1006-100 100 µg

**ALTERNATE NAMES:** PK2, Protein Bv8 homolog, PROK2

**SOURCE:** *E.Coli*

**SEQUENCE:** AVITGACDK DSQCGGGMC CAVSIWVKS  
IRICTPMGK LGDSCHPLT RKVPPFGRR  
MHHTCPCLP GLACLRTSF NRFICLAQK

**MOLECULAR WEIGHT:** 8.8 kDa

**PURITY:** > 95% determined by SDS - PAGE

**FORM:** Lyophilized from ddH<sub>2</sub>O without any additives  
Endotoxin level is < 1 EU/µg

**RECONSTITUTION:** Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 0.1-1.0 mg/ml. Do not vortex. Additional carrier protein (example 0.1% BSA) is recommended for long term storage.

**STORAGE CONDITIONS:** Lyophilized protein is stable at -80°C for 12 months. Reconstituted proteins can store at 4°C for one week or at -80°C for 3 months. Avoid repeated freezing and thawing cycles.

**DESCRIPTION:** Prokineticin-2 (PK2) is a cysteine-rich secreted protein that is expressed in the testis and, in lower levels, in the small intestine. May function as an output molecule from the suprachiasmatic nucleus (SCN) that transmits behavioral circadian rhythm. May also function locally within the SCN to synchronize output. Potently contracts gastrointestinal (GI) smooth muscle.

### RELATED PRODUCTS:

- Active ERK1 (**Cat. No. 7741-5**)
- Erk2 Antibody (**Cat. No. 3442-100**)
- Erk5 Antibody (**Cat. No. 3397-100**)
- Proteinase K, Recombinant (**Cat. No. 9210-100, 500, 1G, 10G**)
- Protease Activity Assay kit (**Cat. No. K781-100**)
- Protease Inhibitor Cocktail (**Cat. No. K271-500**)

**FOR RESEARCH USE ONLY! Not to be used in humans.**