Prokineticin-2 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: PROK2, PK2, Protein Bv8 homolog

Cat. No.:	
RBG10277005	(5 µg)
RBG10277020	(20 µg)
RBG10277100	(100 µg)

Description

Prokineticin-2 (PK2) is a cysteine-rich secreted protein that is expressed in the testis and, in lower levels, in the small intestine. PK2 regulates various biological functions, including gastrointestinal motility, angiogenesis and circadian rhythms. It is closely related to EG-VEGF (Prokineticin-1), and binds to two orphan B-protein-coupled receptors termed PK-R1 and PK-R2. Recombinant Human Prokineticin-2 is an 8.8 kDa protein consisting of 81 amino acid residues, including ten cysteine residues that can potentially form five pairs of intra-molecular disulfide bonds.

Research topic

Others

Amino Acid Sequence

AVITGACDKD SQCGGGMCCA VSIWVKSIRI CTPMGKLGDS CHPLTRKVPF FGRRMHHTCP CLPGLACLRT SFNRFICLAQ K

Source

E. coli

Purity

98%

Biological Activity

Data not available.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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