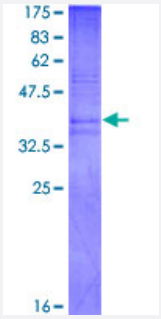
PROK2 (Human) Recombinant Protein (Q01)

Catalog # H00060675-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PROK2 partial ORF (NP_068754, 20 a.a. - 108 a.a.) recombinant protein with GST-tag at N -terminal.
Sequence	LTPRAGDAAVITGACDKDSQCGGGMCCAVSIWVKSIRICTPMGKLGDSCHPLTRKVPFFGRRMH HTCPCLPGLACLRTSFNRFICLAQK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.53
Interspecies Antigen Sequence	Mouse (76); Rat (76)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — PROK2

Entrez GeneID	60675
GeneBank Accession#	NM_021935
Protein Accession#	NP_068754
Gene Name	PROK2
Gene Alias	BV8, KAL4, MIT1, PK2
Gene Description	prokineticin 2
Omim ID	607002 610628
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein expressed in the suprachiasmatic nucleus (SCN) circadian clock tha t 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. Prot eins from other vertebrates which are similar to this gene product were isolated based on homolo gy 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 enco ding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	protein Bv8 homolog

Disease

- Cardiovascular Diseases
- Cryptorchidism

- Genetic Predisposition to Disease
- Hypogonadism
- Kallmann Syndrome
- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Puberty
- Sleep
- Thrombophilia
- Tobacco Use Disorder