

Recombinant Rat KLK6 Protein (His Tag)

Catalog No. PKSR040473

Note: Centrifuge before opening to ensure complete recovery of vial contents.

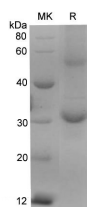
Description

Synonyms	Bssp, hK 6, hK6, Kallikrein 6 precursor, Kallikrein related peptidase 6, Kallikrein-6, Kallikrein6, KLK 6, Klk7, KLK9, Klk29, Klk6, KLLK6, Klk7, KLK9, MGC9355, mGK 1, mGK1, MSP, Neurosin, Protease M, Protease serine 18, Protease serine 9, PRSS 18, PRSS 9, PRSS18, PRSS9, Serine protease 18, Serine protease 9, SP 59, SP59, Tissue kallikrein, TK, Zyme
Species	Rat
Expression Host	E.coli
Sequence	Ile25-Pro261
Accession	P36374-1
Calculated Molecular Weight	26.3 kDa
Observed molecular weight	28.62 kDa
Tag	N-His
Bioactivity	Testing in progress

Properties

Purity	> 80 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 80 % as determined by reducing SDS-PAGE.

For Research Use Only

Background

Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. The encoded enzyme is regulated by steroid hormones. In tissue culture, the enzyme has been found to generate amyloidogenic fragments from the amyloid precursor protein, suggesting a potential for involvement in Alzheimer's disease. Multiple alternatively spliced transcript variants that encode different isoforms have been identified for this gene.