

Recombinant Human Kallikrein 11/KLK11 Protein (His Tag)

Catalog Number: PKSH033404

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

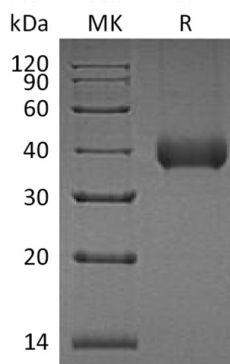
Description

Species	Human
Source	HEK293 Cells-derived Human Kallikrein 11/KLK11 protein Glu19-Asn250, with an C-terminal His
Calculated MW	26.3 kDa
Observed MW	38 kDa
Accession	AAH22068
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 150mM NaCl, 2mM CaCl ₂ , pH 8.0.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Human Kallikrein 11 (KLK11) is a member of tissue kallikrein family which are extracellular serine proteases consisting of 15 members. Two isoforms of KLK11 are differentially expressed. Isoform 1 is predominantly expressed in brain and isoform 2 is preferentially expressed in prostate. Isoform 1 consists of a signal peptide; a short pro peptide and the mature chain. Isoform 2 contains an extra 32 amino acid N terminal to full-length isoform 1. KLK11 is a novel marker for ovarian and prostate cancer carcinomas. KLK11 can be activated by thermolysin and is active against a thioester substrate.