PRODUCT INFORMATION

Target	KLK2
Synonyms	KLK2A2, hGK-1, hK2
Description	Recombinant human KLK2 Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P20151
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	KLK2(Ile25-Pro261)+hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 52.3 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).Lyophilized proteins are shipped at ambient temperature.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	This gene encodes a member of the grandular kallikrein protein family. Kallikreins are a subgroup of serine proteases that are clustered on chromosome 19. Members of this family are involved in a diverse array of biological functions. The protein encoded by this gene is a highly active trypsin-like serine protease that selectively cleaves at arginine residues. This protein is primarily expressed in prostatic tissue and is responsible for cleaving pro-prostate-specific antigen into its enzymatically active form. This gene is highly expressed in prostate tumor cells and may be a prognostic maker for prostate cancer risk. Alternate splicing results in both coding and non-coding transcript variants. [provided by RefSeq, Jan 2012]
Usage	Research use only
Conjugate	Unconjugated

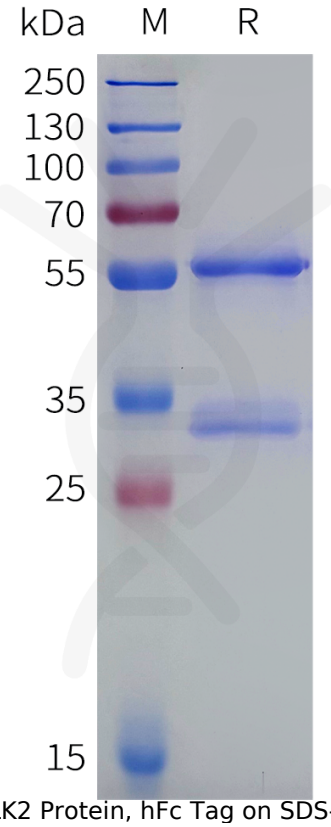

Figure 1. Human KLK2 Protein, hFc Tag on SDS-PAGE under reducing condition.

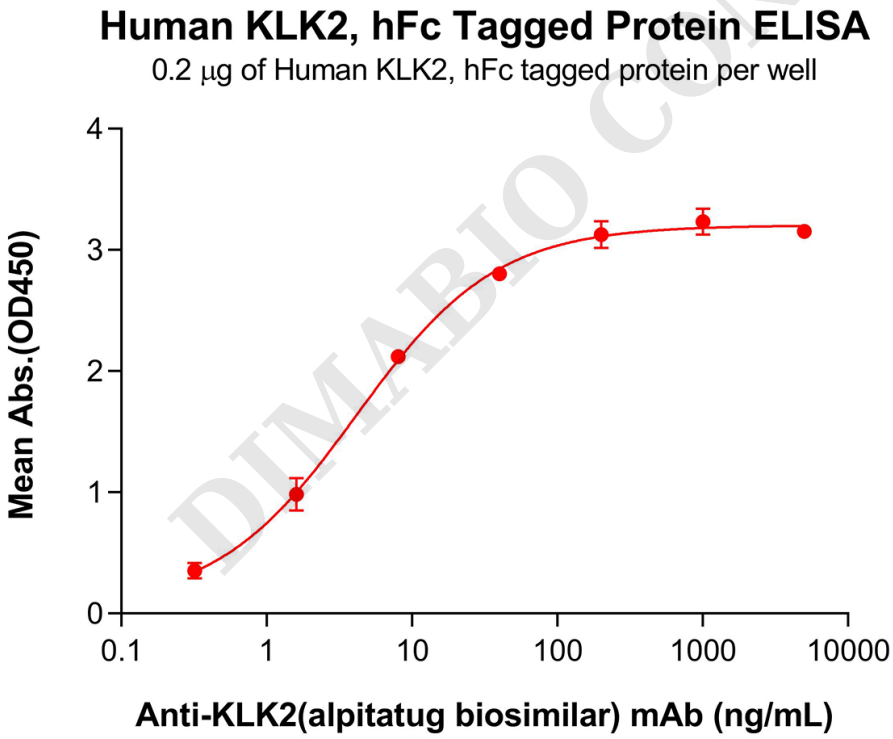

Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human KLK2 Protein, hFc Tag (PME101966) can bind Anti-KLK2(alpitatug biosimilar) mAb (BME100746) in a linear range of 1.6–8.0 ng/mL. In order to specifically detect BME100746, HRP Conjugated- Goat anti Human Fab was used as detection antibody.