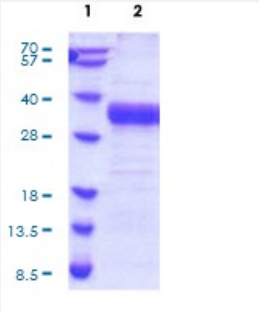
Bioactive

KLK13 (Human) Recombinant Protein

Catalog # P7944 Size 100 ug

Applications



Specification

Product Description	Human KLK13 (Q9UKR3, 17 a.a. - 277 a.a.) partial length recombinant protein with His tag expressed in Baculovirus expression system.
Sequence	GGVSQESSKVLNTNGTSGFLPGGYTCFPHSQPWQAALLVQGRLLCGGVLVHPKWVLTAAHCLK EGLKVYLGKHALGRVEAGEQVREVVHSIPHPEYRRSPTHLNHDHDIMLLELQSPVQLTGYIQTLPL SHNNRLTPGTTCRVSGWGTTTSPQVNYPKTLQCANIQLRSDEECRQVYPGKITDNMLCAGTKEGG KDSCEGDSGGPLVCNRTLYGIVSWGDFPCGQPDRPGVYTRVSRYVLWIRETIRKYETQQQKWLK GPQ
Host	Viruses
Theoretical MW (kDa)	29.7
Form	Liquid
Preparation Method	Baculovirus expression system
Purity	> 90% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	Specific activity is > 8000 pmol/min/ug, one unit will hydrolyze 1.0 pmole of BAEE to Na-Benzoyl-L-arginine per minute at pH 8.0 at 25°C.

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Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — KLK13

Entrez GeneID	26085
Protein Accession#	Q9UKR3
Gene Name	KLK13
Gene Alias	DKFZp586J1923, KLK-L4, KLKL4
Gene Description	kallikrein-related peptidase 13
Omim ID	605505
Gene Ontology	Hyperlink
Gene Summary	Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing ev idence 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. Expression of this gene is regulated by steroid hormones and may be useful as a marker for breast cancer. An additional transcript variant has b een identified, but its full length sequence has not been determined. [provided by RefSeq
Other Designations	kallikrein 13|kallikrein-like gene 4

Disease

- Genetic Predisposition to Disease
- Prostatic Neoplasms

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