
Product Data Sheet

Product Name: KLK13 Human
 Cat. No.: GP21852
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Kallikrein-13; KLK-L4; KLKL4; Kallikrein-like protein 4.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSGGVSQES SKVLNTNGTS GFLPGGYTCF PHSQPWQAAL LVQGRLLCGGVLVHPKWVLT AAHCLKEGLK VYLGKHALGR VEAGEQVREV VHSIPHPEYR RSPHTLNHDH DIMLLELQSPVQLTG YIQTL PLSHNNRLTP GTTCRVSGWG TTTSPQVNYP KTLQCANIQL RSDEECRQVY PGKITDNMLCAGTKEGGKDS CEGDSGGPLV CNRTLYGIVS WGDFFPCGQPD RPGVYTRVSR YVLWIRETIR KYETQQQKWLKGPQ.		
Formulation	KLK13 protein solution (0.25mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.		

Introduction

Kallikreins are a subgroup of serine proteases having various physiological functions. Many kallikreins are implicated in carcinogenesis and some have potential of becoming novel cancer and other disease biomarkers. Kallikrein-13 (KLK13) is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. KLK13 gene expression is regulated by steroid hormones and may be useful as a marker for breast cancer.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

KLK13 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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chain containing 284 amino acids (17-277 a.a) and having a molecular mass of 31.3kDa. KLK13 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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