

KLK3, 25-261aa, Human, His tag, E.coli

Cat.NO.: TP02748

3th Edition

Synonyms:Prostate-specific antigen, APS, hK3, KLK2A1, PSA.

Description:Prostate-specific antigen (PSA), also known as gamma-seminoprotein or kallikrein-3 (KLK3), is a member of the kallikrein-related peptidase family. 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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 0.4M Urea, 10% glycerol.

Molecular Weight:28.8 kDa (262aa).

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMIVGGWECEKHSQPWQVLVASRGRAVCGGVLVHPQWVLTAAHCIRNKS
VILLGRHSLFHPEDTGQVFQVSHSFPHPPLYDMSLLKNRFLRPGDDSSHDMLLRLEPAELTDAVKVMDLPTQEPA
LGTTCYASGWGSIEPEEFLTPKKLQCVDLHVISNDVCAQVHPQK/TKFMLCAGRWTGGKSTCSGDSGGPLVCNG
VLQGITSWGSEPCALPERPSLYTKVVHYRKWIKDTIVANP

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay).

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.