
Product Data Sheet

Product Name: QKI Human
 Cat. No.: GP24277
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Hqk; hqkl; QK; QK1; QK3; Protein quaking; QuakingHomolog; KH Domain RNA Binding; RNA Binding Protein HQK; HKQ; KHDomain Containing; RNA Binding.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMVGEMET KEKPKTPDY LMQLMNDKKL MSSLPNFCGI FNHLERLLDE EISRVKDMY NDTLNGSTEK RSAELPDAVG PIVQLQEKLY VPVKEYPDFN FVGRILGPRG LTAKQLEAET GCKIMVRGKG SMRDKKKEEQ NRGKPNWEHL NEDLHVLITV EDAQNRAEIK LKRAVEEVKK LLVPAAEGED SLKKMQLMEL AILNGTYRDA NIKSPALAFS LAATAQAAPR IITGPAPVLP PAALRTPTPA GPTIMPLIRQ IQTAVMPNGT PHPTAAIVPP GPEAGLIYTP YEYPYTLAPA TSILEYPIEP SGVLGAVATK VRRHDMRVHP YQRIVTADRA ATGN.		
Formulation	QKI protein solution (0.25mg/ml) containing 20mM Tris-HClbuffer (pH 8.0), 0.2M NaCl, 50% glycerol, 2mM DTT.		

Introduction

KH Domain RNA Binding also known as QKI is aRNA-binding protein which regulates pre-mRNA splicing, export of mRNAs from the nucleus, protein translation, and mRNA stability. QKI is involved in myelination and oligodendrocyte differentiation, and it may play a role in schizophrenia. Defects or deletions in the QKI are linked with astrocytic tumors and may be implicated in the pathogenesis of schizophrenia. Among the diseases associated with QKI are 6q terminal deletion syndrome, and schizophrenia.

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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

QKI Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 364 amino acids (1-341 a.a) and having a molecular mass of 40.1kDa. QKI is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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