

Recombinant Human QKI, KH domain containing, RNA binding, His-tagged

Cat. No. QKI-294H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	QKI, 1-341aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-341 a.a.
Description	Protein quaking isoform HQK-5, also known as QKI, is an RNA-binding protein that regulates pre-mRNA splicing, export of mRNAs from the nucleus, protein translation, and mRNA stability. It is involved in myelination and oligodendrocyte differentiation, and it may play a role in schizophrenia. Defects or deletions in the QKI are associated with astrocytic tumors and may be involved in the pathogenesis of schizophrenia. Recombinant human QKI protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT
Molecular Mass	40.1 kDa (364aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMVGEMET KEKPKPTPDY LMQLMNDKKL MSSLPNFCGI FNHLERLLDE EISRVKDMY NDTLNGSTEK RSAELPDAVG PIVQLQEKLY VPVKEYPDFN FVGRILGPRG LTAKQLEAET GCKIMVRGKG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SMRDKKKKEEQ NRGKPNWEHL NEDLHVLITV EDAQNRAEIK LKRAVEEVKK
 LLVPAAEGED SLKKMQLMEL AILNGTYRDA NIKSPALAFS LAATAQAAPR
 IITGPAPVLP PAALRTPTPA GPTIMPLIRQ IQTAVMPNGT PHPTAAIVPP
 GPEAGLIYTP YEYPYTLAPA TSILEYPIEP SGVLGAVATK VRRHDMRVHP
 YQRIVTADRA ATGN

Purity >85% by SDS - PAGE

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

Concentration 0.25mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name QKI QKI, KH domain containing, RNA binding [Homo sapiens]

Official Symbol QKI

Synonyms QKI; QKI, KH domain containing, RNA binding; quaking homolog, KH domain RNA binding (mouse); protein quaking; QK3; RNA binding protein HQK; quaking homolog, KH domain RNA binding; homolog of mouse quaking QKI (KH domain RNA binding protein); QK; Hqk; QK1; hqkl; DKFZp586I0923;

Gene ID 9444

mRNA Refseq NM_006775

Protein Refseq NP_006766

MIM 609590

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UniProt ID	Q96PU8
Chromosome Location	6q26
Pathway	Diurnally regulated genes with circadian orthologs, organism-specific biosystem;
Function	RNA binding; SH3 domain binding; protein binding;

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