

AR51200PU-N

Human QKI / Protein quaking (1-341, His-tag) - Purified

Alternate names:

HKQ, QK1, QK3

Quantity:

0.25 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q96PU8](#)

NCBI:

[NP_006766](#)

GeneID:

[9444](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT

Description:

Recombinant human QKI protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMVGEMET KEKPKPTPDY LMQLMNDKKL MSSLPNFCGI
FNHLERLLDE EISVRKDMY NDTLNGSTEK RSAELPDVAVG 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

Molecular weight: 40.1 kDa (364aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Hardy R J., et al. (1996) J Neurosci. 16: 7941-7949. Ebersole T A., et al. (1996) Nat Genet. 12: 260-265.

Pictures:

