

QKI recombinant protein

QKI, 1-341aa, Human, His tag, E Coli

CATALOG # AAA48839	HOST E Coli	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

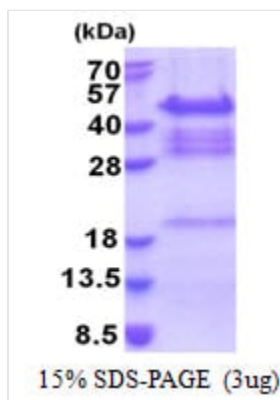
PRODUCT SYNONYMS

QKI; 1-341aa; Human; His tag; E Coli; Protein quaking isoform HQK-5; Hqk; hqkl; QK; QK1; QK3; QKI recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT
Concentration	0.25mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MGSMVGEMET KEKPKPTPDY LMQLMNDKKL MSSLPNFCGI FNHLERLLDE EISRVKDMY 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
Sequence Length	341
Applicable Applications for QKI recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for QKI recombinant protein	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.
Product Categories/Family for QKI recombinant protein	Epigenomics
References	Hardy R J., et al. (1996) J Neurosci. 16: 7941-7949.; Ebersole T A., et al. (1996) Nat Genet. 12: 260-265.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	45827706
NCBI GeneID	9444
NCBI Accession #	NP_006766
NCBI GenBank Nucleotide #	NM_006775.2
UniProt Accession #	Q96PU8; Q2I375; Q5MJQ1; Q969L9; Q96EJ3; Q96KA3; Q96PU6; Q96PU7; Q9P0X6; Q9P0X7; Q9P0X8; Q9P0X9
Molecular Weight	40.1 kDa (364aa) confirmed by MALDI-TOF
NCBI Official Full Name	protein quaking isoform 1
NCBI Official Synonym Full Names	QKI, KH domain containing RNA binding
NCBI Official Symbol	QKI
NCBI Official Synonym Symbols	QK; Hqk; QK1; QK3; hqkl
NCBI Protein Information	protein quaking
UniProt Protein Name	Protein quaking
UniProt Gene Name	QKI
UniProt Synonym Gene Names	HKQ; Hqk; Hqkl

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.