

32-4545: Recombinant Human QKI

Alternative Name : Hqk,hqkl,QK,QK1,QK3,Protein quaking,Quaking Homolog,KH Domain RNA Binding,RNA Binding Protein HQK,HKQ,KH Domain Containing,RNA Binding.

Description

Source : Escherichia Coli. 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. KH Domain RNA Binding also known as QKI is a RNA-binding protein which regulates pre-mRNA splicing, export of mRNAs from the nucleus, protein translation, and mRNA stability. QKI is involved in myelinization 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.

Product Info

Amount : 10 µg
Purification : Greater than 85.0% as determined by SDS-PAGE.
Content : QKI protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl, 50% glycerol, 2mM DTT.
Storage condition : 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% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSVMGEMET KEKPKPTPDY LMQLMNDKKL MSSLPNFCGI
FNHLERLLDE EISVRKDMY NDTLNGSTK 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.