

# Recombinant Human QKI Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** QKI-4501H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | QKI MS Standard C13 and N15-labeled recombinant protein (NP_996735) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | The protein encoded by this gene is an RNA-binding protein that regulates pre-mRNA splicing, export of mRNAs from the nucleus, protein translation, and mRNA stability. The encoded protein is involved in myelination and oligodendrocyte differentiation and may play a role in schizophrenia. Multiple transcript variants encoding different isoforms have been found for this gene. |
| <b>Molecular Mass</b>   | 35 kDa                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MVGEMETKEKPKPTPDYLMQLMNDKKLMSSLPNFCGIFNHLERLLDEEISVRKDM<br>YNDTLNGSTEKRSAELPDAVGPIVQLQEKL YVPVKEYPDFNFVGRILGPRGLTAKQL<br>EAETGCKIMVRGKGSMRDKKKEEQNRGKPNWEHLNEDLHVLITVEDAQNRAEIKLK<br>RAVEEVKKLLVPAAEGEDSLKKMQLMELAILNGTYRDANIKSPALAFSLAATAQAAPR<br>IITGPAPVLPPAALRTPTPAGPTIMPLIRIQITAVMPNGTPHPTAAIVPPGPEAGLIYTP<br>YEYPYTLAPATSILEYPIEPSGVLGMAFPTKGTRTRPLEQKLISEEDLAANDILDYKDD<br>DDKV   |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                              |

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|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>        | Stable for 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                           |
| <b>Storage</b>          | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                          |
| <b>Concentration</b>    | 50 µg/mL as determined by BCA                                                                                                                                                                                                                                                        |
| <b>Storage Buffer</b>   | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                                                                                                                                                                                                              |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                      |
| <b>Gene Name</b>        | QKI QKI, KH domain containing RNA binding [ Homo sapiens (human) ]                                                                                                                                                                                                                   |
| <b>Official Symbol</b>  | QKI                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>         | 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; |
| <b>Gene ID</b>          | 9444                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>      | NM_206853                                                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>   | NP_996735                                                                                                                                                                                                                                                                            |
| <b>MIM</b>              | 609590                                                                                                                                                                                                                                                                               |
| <b>UniProt ID</b>       | Q96PU8                                                                                                                                                                                                                                                                               |



SDS-PAGE



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