

## Product datasheet for PH305779

### QK1 (QKI) (NM\_006775) Human Mass Spec Standard

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Mass Spec Standards  |
| Description:                          | QKI MS Standard C13 and N15-labeled recombinant protein (NP_006766)  |
| Species:                              | Human  |
| Expression Host:                      | HEK293   |
| Expression cDNA Clone or AA Sequence: | RC205779   |
| Predicted MW:                         | 37.5 kDa   |
| Protein Sequence:                     | >RC205779 representing NM_006775<br>Red=Cloning site Green=Tags(s)<br><br><p>MVGEMETKEKPKPTPDYLMQLMNDKMLMSSLPNFCGIFNHLERLLDDEISRVRKDMYNDTLNGSTEKRSA<br/>ELPDVAVGPVQLQEKLYVPVKEYPDFNFVGRILGPRGLTAKQLEAETGCKIMVRGKGSMDKKKEEQNRG<br/>KPNWEHLNEDLHVLITVEDAQNRAEIKLKRAVEEVKLLVPAEGEDSLKMKLMELAILNGTYRDANIK<br/>SPALAFSLAATAQAAPRIITGPAPVLPAAALRTPPTAGPTIMPLIRQIQTAVMPNGTPHPTAAIVPPGPE<br/>AGLIYTPYEYPYTLAPATSILEYPIEPSGVLGAVATKVRRHDMRVHPYQRIVTADRAATGN</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p> |
| Tag:                                  | C-Myc/DDK  |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method   |
| Labeling Method:                      | Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine   |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3   |
| Storage:                              | Store at -80°C. Avoid repeated freeze-thaw cycles.   |
| Stability:                            | Stable for 3 months from receipt of products under proper storage and handling conditions.   |
| RefSeq:                               | <a href="#">NP_006766</a>  |
| RefSeq Size:                          | 4731   |
| RefSeq ORF:                           | 1023   |
| Synonyms:                             | Hqk; hqkl; QK; QK1; QK3  |
| Locus ID:                             | 9444   |



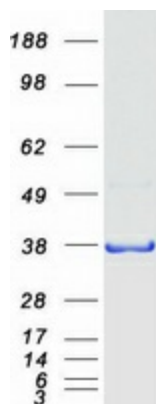
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UniProt ID: [Q96PU8](#), [Q8WY44](#)

Cytogenetics: 6q26

**Summary:** 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. [provided by RefSeq, Jul 2014]

### Product images:



Coomassie blue staining of purified QKI protein (Cat# [TP305779]). The protein was produced from HEK293T cells transfected with QKI cDNA clone (Cat# [RC205779]) using MegaTran 2.0 (Cat# [TT210002]).