

## Recombinant Mouse Qk Protein, Myc/DDK-tagged

**Cat. No.** Qk-5278M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length quaking (Qk), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	RNA-binding protein that plays a central role in myelination. Also required for visceral endoderm function and blood vessel development. Binds to the 5'-NACUAAY-N(1,20)-UAAY-3' RNA core sequence. Acts by regulating pre-mRNA splicing, mRNA export, mRNA stability and protein translation, as well as cellular processes including apoptosis, cell cycle, glial cell fate and development. Required to protect and promote stability of mRNAs such as MBP and CDKN1B which promotes oligodendrocyte differentiation. Participates in mRNA transport by regulating the nuclear export of MBP mRNA. May also play a role in smooth muscle development.
<b>Molecular Mass</b>	37.7 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Qk quaking, KH domain containing RNA binding [ *Mus musculus* (house mouse) ]

**Official Symbol** Qk

**Synonyms** Qk; quaking, KH domain containing RNA binding; Qkl; I17W; I(17)-1; I17Wis1; 1500005P18; I(17)-1Wis; 1110003F05Rik; protein quaking; QKI-5 protein; QKI-6 protein; QKI-7 protein; QKI-7b protein; lethal, Chr 17, U Wisconsin 1; quaking

**Gene ID** 19317

**mRNA Refseq** NM\_001159517

**Protein Refseq** NP\_001152989

**UniProt ID** Q9QYS9

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA