

Recombinant Mouse Qk Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length quaking (Qk), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	RNA-binding protein that plays a central role in myelination. Also required for visceral endoderm function and blood vessel development. Binds to the 5'-NACUAAAY-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.
Molecular Mass	37.7 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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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

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