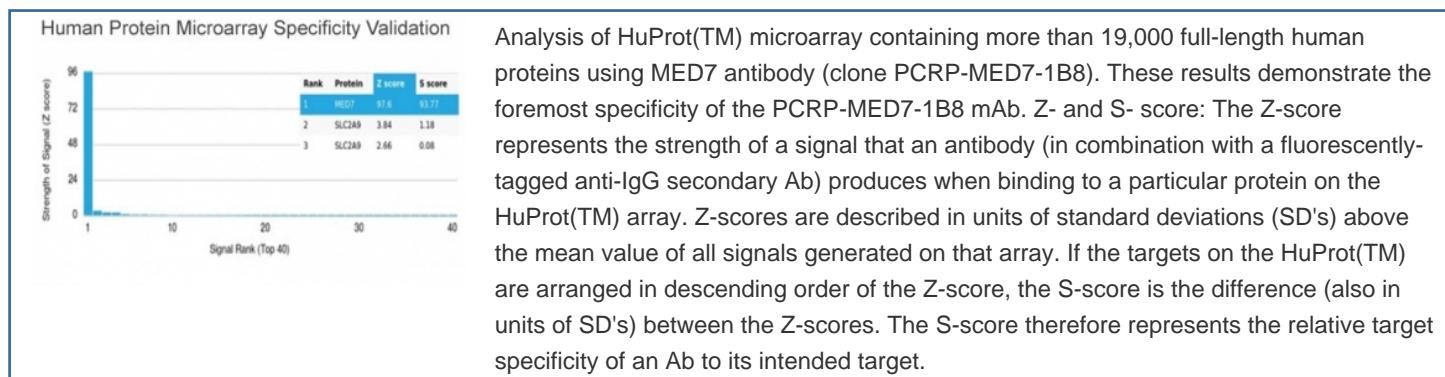


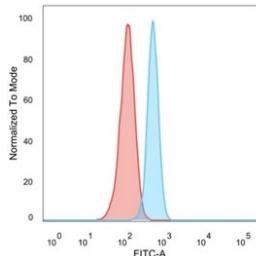
## MED7 Antibody [clone PCRP-MED7-1B8] (V9748)

Catalog No.	Formulation	Size
V9748-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9748-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9748SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

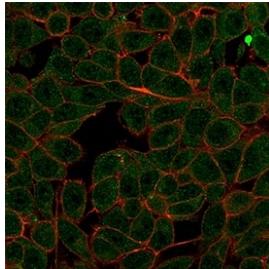
**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b
<b>Clone Name</b>	PCRP-MED7-1B8
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	O43513
<b>Localization</b>	Nucleus
<b>Applications</b>	ELISA (use Assay Dependent Concentration : Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml)
<b>Limitations</b>	This MED7 antibody is available for research use only.

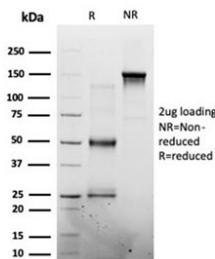




FACS staining of PFA-fixed human HeLa cells with MED7 antibody (blue, clone PCRP-MED7-1B8) and isotype control (red).



Immunofluorescent staining of PFA-fixed human HeLa cells using MED7 antibody (green, clone PCRP-MED7-1B8) and phalloidin (red).



SDS-PAGE analysis of purified, BSA-free MED7 antibody (clone PCRP-MED7-1B8) as confirmation of integrity and purity.

## Description

MED7 (Mediator of RNA polymerase II transcription subunit 7), also known as HKQ, QK, QK3 or quaking, is a 341 amino acid protein that localizes to both the cytoplasm and the nucleus and contains one KH domain. Expressed in the frontal cortex of the brain, MED7 functions as an RNA-binding protein that plays an important role in myelinization and specifically binds to the RNA core sequence 5. Additionally, MED7 regulates pre-mRNA splicing, and mRNA export and is involved in protecting and promoting the stability of select mRNAs. MED7 may be methylated by PRMT1 and may also be phosphorylated at its C-terminus, an event that decreases MED7 mRNA-binding affinity. Defects or deletions in the gene encoding MED7 are associated with astrocytic tumors and may be involved in the pathogenesis of schizophrenia. Multiple isoforms of MED7 exist due to alternative splicing events.

## Application Notes

Optimal dilution of the MED7 antibody should be determined by the researcher.

## Immunogen

Recombinant full-length human protein was used as the immunogen for the MED7 antibody.

## Storage

Aliquot the MED7 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

