

Ready to start planning your care? Call us at [800-525-2225](tel:800-525-2225) to make an appointment.

×



Memorial Sloan Kettering  
Cancer Center

[Make an Appointment](#)

[← Back](#)

[Technologies Available for Licensing](#)

[Patient Appointment & Treatment](#)

[Refer a Patient](#)

## ABOUT US

[Our mission, vision & core values](#)

[Leadership](#)

[History](#)

[Equality, diversity & inclusion](#)

[Annual report](#)

[Give to MSK](#)

The present invention provides treatment of a gene expression profile that predicts the effectiveness of inhibiting the RAF/MEK/MAPK pathway. This technology could be used for qualifying the cancer status and response in patients, for monitoring the efficacy of a chemotherapeutic regimen and for screening new compounds

## Advantages

- Excellent prognostic indicator in improving patient outcomes
- Sensitive detection of anti-tumor response
- Potential to tailor individual treatment regimen
- Screening tool for new compounds
- Novel therapeutic targets

## Areas of Application

Therapeutic, prognostic, and research tool

## Lead Inventors

[Neal Rosen](#), MD, PhD, Laboratory Head, Molecular Pharmacology Program, Sloan Kettering Institute, Memorial Sloan Kettering

## Patent Information

Identification of a 14-Gene Set that Predicts Anticancer Activity of Inhibitors of the RAF/MEK/MAPK Pathway

U.S. patent issued: [7,812,143](#)

## References

Presented at the AACR meeting ( March 31st, 2006)

Pratilas CA, et al. [\(2008\) Cancer Res; 68\(22\):9375-83](#)

Pratilas CA, et al. [\(2009\) Proc Natl Acad Sci U S A; 106\(11\):4519-24](#)

## Contact Information:

Lisa Kennedy, PhD

Senior Licensing Manager

Email: [kennedl1@mskcc.org](mailto:kennedl1@mskcc.org)

## Stage of Development

Animal studies

## Indications

[Indications](#) › [Cancer](#)

## Types

[Diagnostics](#) › [Biomarkers](#)

[Diagnostics](#) › [Molecular diagnostics](#)



[Child & teen cancer types](#)

[Integrative medicine](#)

[Nutrition & cancer](#)

[Find a doctor](#)

## ▾ Research & Education

[Sloan Kettering Institute](#)

[Gerstner Sloan Kettering Graduate School](#) ■

[Graduate medical education](#)

[MSK Library](#) ■

---

[Communication preferences](#)

[Cookie preferences](#)

[Legal disclaimer](#)

[Accessibility statement](#)

[Privacy policy](#)

[Price transparency](#)

[Public notices](#)

© 2024 Memorial Sloan Kettering Cancer Center