

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

X



Memorial Sloan Kettering  
Cancer Center

[Make an Appointment](#)  
[Back](#)

[About MSK](#) [Careers](#) [Treatment](#)  
[Tangible Materials Available for Licensing](#)  
[Learn About Cancer & Treatment](#)

## ABOUT US

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

[Leadership](#)

[History](#)

[Inclusion & belonging](#)

[Annual report](#)

[Give to MSK](#)

## FOR THE MEDIA

express the parathyroid hormone (PTH) receptor and produce cyclic AMP in response to treatment with PTH. These cells do not form tumors when injected subcutaneously into immunocompromised mice. When injected into diffusion chambers that are implanted intra-peritoneally into immunocompromised mice, however, Saos-2 cells produce a mineralized matrix, which is a defining characteristic of osteoblastic cells. All of these characteristics make this cell line an attractive source of bone-related molecules for research.

## Source

This cell line was established in 1973 from an 11-year-old Caucasian female with osteogenic sarcoma.

## Inventors

Jorgen Fogh, PhD, formerly at Sloan Kettering Institute, Memorial Sloan Kettering Cancer Center

## Key References

- Fogh J et al. (1977) Absence of HeLa cell contamination in 169 cell lines derived from human tumors. *Journal of the National Cancer Institute* 58: 209-214 (PubMed ID: [833871](#) )
- Rodan SB et al. (1987) Characterization of a human osteosarcoma cell line (Saos-2) with osteoblastic properties. *Cancer Research* 47: 4961-4966 (PubMed ID: [3040234](#) )

## Licensing Information

This cell line may be licensed nonexclusively for research or commercial purposes.

- Express License: For internal research purposes by a for-profit entity: 1) Fill out MSK's ATCC Express License, see [here](#) for links to the online fillable ATCC Express License, as well as a PDF version. 2) After execution by MSK, you will receive a signed copy, and can then place your order with ATCC. For detailed guidance on how to fill out this webform, see [here](#) . Please note: In order to streamline and expedite the licensing of select MSK cell lines, the terms of this non-exclusive license are non-negotiable. This license is only available for select cell lines, including this one. Once this license has been executed by MSK, you will receive a signed copy and payment instructions; all payments up to \$10,000 must be made by credit card.
- Commercial License: Contact MSK's Tangible Materials team at [TRMOTDRTM@mskcc.org](mailto:TRMOTDRTM@mskcc.org) .

For non-licensing requests from academic-research institutions : Contact Frances Weis-Garcia, PhD, Associate Laboratory Member/Head, Antibody & Bioresource Core Facility, MSK, [646-888-2354](#) , [weisgarf@mskcc.org](mailto:weisgarf@mskcc.org) .

## Stage of Development

Ready to use

## Indications

[Cancer](#) › [Bones & Joints](#)

[Cancer](#) › [Sarcoma](#)

## Types

[Research Tools](#) › [Cell Lines](#)

© 2026 Memorial Sloan Kettering Cancer Center