



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# 2310079N02Rik (m): 293T Lysate: sc-117919

## BACKGROUND

Belonging to the THEP1 NTPase family, C1orf57 (also known as nucleoside triphosphate phosphohydrolase), and its mouse homolog, 2310079N02Rik, are 190 amino acid proteins that has nucleotide phosphatase activity towards ATP, GTP, TTP, CTP and UTP. Acting as a monomer, it also hydrolyzes nucleoside diphosphates with lower efficiency. The gene encoding C1orf57 maps to human chromosome 1, the largest human chromosome spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The mechanism of rapidly enhanced aging is unclear and is a topic of continuing exploration. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinsons, Gaucher disease and Usher syndrome are also associated with chromosome 1.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: Ntpcr (mouse) mapping to 8 E2.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## PRODUCT

2310079N02Rik (m): 293T Lysate represents a lysate of mouse 2310079N02Rik transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## APPLICATIONS

2310079N02Rik (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive 2310079N02Rik antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

## STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.