



# SZABO SCANDIC

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## Produktinformation



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- Trockeneiszuschlag
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- Expressversand

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# PRODUCT INFORMATION

## Citrullinated Collagen Type II (R360 + R365) (358-368)-biotin Peptide Item No. 39126

### Overview and Properties

<b>Contents:</b>	This vial contains 1 mg of lyophilized peptide.
<b>Synonym:</b>	Biotin-Gly-Ala-Arg(Cit)-Gly-Leu-Thr-Gly-Arg(Cit)-Pro-Gly-Asp-Ala
<b>Peptide Sequence:</b>	Biotin-GAXGLTGXPGDA (X=Citrulline)
<b>Uniprot No.:</b>	P02458
<b>Molecular Weight:</b>	1,355.34
<b>Form:</b>	Solid
<b>Storage:</b>	-20°C (as supplied)
<b>Stability:</b>	≥1 year

### Description

Citrullinated Collagen Type II (R360+R365) (358-368)-biotin peptide is a biotinylated version of a di-citrullinated form of the fibril-forming heterotrimeric protein collagen type II, which undergoes citrullination by peptidyl arginine deiminase 2 (PAD2) and PAD4.<sup>1</sup> It has been found in synovial fluid isolated from patients with rheumatoid arthritis.<sup>1,2</sup> Cayman's Citrullinated Collagen Type II (R360+R365) (358-368)-biotin Peptide is intended for the detection of autoantibodies against collagen type II citrullinated at R360 and R365.

### References

1. Foulquier, C., Sebbag, M., Clavel, C., *et al.* Peptidyl arginine deiminase type 2 (PAD-2) and PAD-4 but not PAD-1, PAD-3, and PAD-6 are expressed in rheumatoid arthritis synovium in close association with tissue inflammation. *Arthritis Rheum.* **56(11)**, 3541-3553 (2007).
2. Uysal, H., Nandakumar, K.S., Kessel, C., *et al.* Antibodies to citrullinated proteins: Molecular interactions and arthritogenicity. *Immunol. Rev.* **233(1)**, 9-33 (2009).

WARNING  
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA  
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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