



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

PRG4 (Human) Recombinant Protein (Q01)

Catalog Number: H00010216-Q01

Regulation Status: For research use only (RUO)

Product Description: Human PRG4 partial ORF (NP_005798, 1305 a.a. - 1404 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

ERAIGPSQTHTIRIQYSPARLAYQDKGVLHNEVKVSIL
WRGLPNVVTSAILPNIRKPDGYDYAFSKDQYYNIDV
PSRTARAITTRSGQTLISKVWYNCP

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 36.74

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 10216

Gene Symbol: PRG4

Gene Alias: CACP, FLJ32635, HAPO, JCAP, MSF, SZP, bG174L6.2

Gene Summary: The protein encoded by this gene is a large proteoglycan specifically synthesized by chondrocytes located at the surface of articular cartilage, and also by some synovial lining cells. This protein

contains both chondroitin sulfate and keratan sulfate glycosaminoglycans. It functions as a boundary lubricant at the cartilage surface and contributes to the elastic absorption and energy dissipation of synovial fluid. Mutations in this gene result in camptodactyly-arthropathy-coxa vara-pericarditis syndrome. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

References:

1. Cardioprotective proteins upregulated in the liver in response to experimental myocardial ischemia. Liu SQ, Tefft BJ, Roberts DT, Zhang LQ, Ren Y, Li YC, Huang Y, Zhang D, Phillips HR, Wu YH. Am J Physiol Heart Circ Physiol. 2012 Dec;303(12):H1446-58. doi: 10.1152/ajpheart.00362.2012. Epub 2012 Oct 12.