



# 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 HandelsgmbH

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## Datasheet

### ENAM (Human) Recombinant Protein (Q01)

**Catalog Number:** H00010117-Q01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human ENAM partial ORF ( NP\_114095, 1043 a.a. - 1141 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

ERQQQRPSNILHLPFCFGSKLAKHHSSTTGTTPSSDGRQ  
SPFDGDSITPTENPNTLVELATEEQFKSINVDPLDAE  
HSPFEFLQRGTVNQDQVQDCLLLQ

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 36.63

**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:** 10117

**Gene Symbol:** ENAM

**Gene Alias:** ADAI, AI1C, AIH2

**Gene Summary:** Dental enamel is a highly mineralized tissue with 85% of its volume occupied by unusually large, highly organized, hydroxyapatite crystals. This highly organized and unusual structure is thought to be rigorously controlled in ameloblasts through the

interaction of a number of organic matrix molecules that include enamelin, amelogenin (AMELX; MIM 300391), ameloblastin (AMBN; MIM 601259), tuftelin (TUFT1; MIM 600087), dentine sialophosphoprotein (DSPP; MIM 125485), and a variety of enzymes. Enamelin is the largest protein in the enamel matrix of developing teeth and comprises approximately 5% of total enamel matrix protein.[supplied by OMIM]