



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

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

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

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## Datasheet

### ITGB1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00003688-P01

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

**Product Description:** Human ITGB1 full-length ORF (AAH20057.1, 1 a.a. - 798 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

```
MNLQPIFWIGLISSVCCVFAQTDENRCLKANAKSCGEC
IQAGPNCGWCTNSTFLQEGMPTSARCDDLEALKKKG
CPPDDIENPRGSKDIKKNKNVTNRSKGTAEKLPEDIT
QIQPQQLVLRRLRSGEPQFTFLKFKRAEDYPIDLYYLMD
LSYSMKDDLENVKSLGTDLMNEMRRITSDFRIGFGSFV
EKTVMPIYISTTPAKLRNPCTSEQNCTSPFSYKNVLSLT
NKGEVFNELVGKQRISGNLDSPEGGFDAIMQVAVCGS
LIGWRNVTRLLVFSTDAGFHAFAGDGKLGIVLPNDGQ
CHLENNMYTMSHYDYPSIAHLVQKLSENNIQTIFAVT
EEFQPVYKELKNLIPKSAVGTLSANSSNVIQLIIDAYNSL
SSEVILENGKLESGVTISYKSYCKNGVNGTGNGRKC
SNISIGDEVQFEISITSNKCPKKSDFSFKIRPLGFTEEVE
VILQYICECECQSEGIPESPKCHEGNGTFECGACRCN
EGRVGRHCECSTDEVNSEMDAYCRKENSSEICSNN
GECVCGQCVCRCRDNNTNEIYSGKFCECDNFNCDRSN
GLICGGNGVCKCRVCECNPNYTGSAACDCSLDSTCE
ASNGQICNDRGICECGVCKCTDPKFQGGQTCEMCQTC
LGVCAEHKECVQCRAFNGEKKDTCTQECSYFNITKV
ESRDKLPQPVQDPVSHCKEKDVEDDCWFYFTYSVNG
NNEVMVHVVENPECPTGPDIIPIVAGVVAGIVLIGLALLL
IWKLLMIHHRREFAKFEKEKMNAKWDTGENPIYKSAV
TTVVNPKYEGK
```

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

**Theoretical MW (kDa):** 114.8

**Interspecies Antigen Sequence:** Mouse (92); Rat (92)

**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:** 3688

**Gene Symbol:** ITGB1

**Gene Alias:** CD29, FNRB, GPIIA, MDF2, MSK12, VLA-BETA, VLAB

**Gene Summary:** Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. This gene encodes a beta subunit. Multiple alternatively spliced transcript variants which encode different protein isoforms have been found for this gene. [provided by RefSeq]

**References:**

1. Characterization of the Interaction between Heterodimeric  $\alpha$ 5 $\beta$ 1 Integrin and Urokinase Plasminogen Activator Receptor (uPAR) Using Functional Proteomics. Ahn SB, Mohamedali A, Anand S, Cheruku HR, Birch D, Sowmya G, Cantor D, Ranganathan S, Inglis DW, Frank R, Agrez M, Nice EC, Baker MS J Proteome Res. 2014 Oct 29.