



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

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) 

Product Information

Description:	Recombinant human Integrin Alpha 4 Beta 7 (complex of ITGA4 (Integrin Alpha-4) and ITGB7 (Integrin Beta-7)). Recombinant ITGA4, encompassing amino acids 34-977, contains a C-terminal acidic tail followed by a His-tag (10xHis). Recombinant ITGB7, encompassing amino acids 20-723, contains a C-terminal basic tail. These recombinant proteins were co-expressed, and affinity purified.
Background:	Integrin alpha 4 beta 7 ($\alpha 4\beta 7$) is also known as Lymphocyte Peyer's patch adhesion molecule-1 (LPAM-1), a heterodimer composed of the integrin beta 7 subunit (ITGB7) and the ITGA4 subunit (also known as CD49d or integrin alpha 4) studies of the . of interest in gastrointestinal tissue studies. Key interactions include surface adhesion molecules MADCAM1 (mucosal vascular addressin cell adhesion molecule 1) and VCAM (vascular cell adhesion molecule), as well as fibronectin. This protein has been linked to diseases such as UC (ulcerative colitis) and Crohn's disease, amongst others. There are several approved LPAM-1 targeting therapeutics, such as vedolizumab (commercially known as Entyvio, Takeda), that aim to mitigate inflammatory bowel diseases and cancers, with more clinical trials underway.
Species:	Human
Construct:	ITGA4 (34-977-acidic tail-His) / ITGB7 (20-723-basic tail)
Concentration:	0.31 mg/ml
Expression System:	HEK293
Purity:	$\geq 90\%$
Format:	Aqueous buffer solution.
Formulated In:	8 mM phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol
MW:	ITGA4: 111.5 kDa + glycans; ITGB7: 81.8 kDa
Glycosylation:	This protein runs at a higher MW by SDS-PAGE due to glycosylation.
Genbank Accession:	ITGA4: NM_000885.6; ITGB7: NM_000889.3
Stability:	At least 6 months at -80°C .
Storage:	-80°C
Instructions for Use:	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Applications:	Useful for SDS-PAGE.

Quality Control Data

4-20% SDS-PAGE Coomassie Staining

