



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

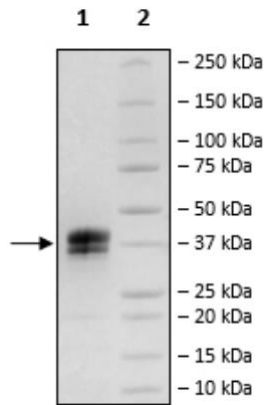
[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Information

Description:	Recombinant human CD157, also known as BST1 (bone marrow stromal cell antigen 1), encompassing amino acids 29-292. This construct contains a C-terminal His-tag (6xHis). The protein was affinity purified.
Background:	CD157, also known as BST1 (bone marrow stromal cell antigen-1) is a glycosylphosphatidylinositol (GPI)-anchored molecule with the dual functions of receptor and β -NAD ⁺ metabolizing ectoenzyme, of the ADP-ribosyl cyclase family. This protein is expressed in the myelomonocytic lineage (monocytes, neutrophils and others) and mesenchymal stem cells, mesothelial cells and many others. It plays a role in leukocyte adhesion, migration and diapedesis via its heparin-binding domains. Abnormalities in this protein are implicated in inflammatory disorders, such as RA (rheumatoid arthritis). A potential therapeutic avenue for disorders where CD157 is implicated is the disruption of its interaction with ECM (extracellular matrix) proteins.
Species:	Human
Construct:	CD157 (29-292-His)
Concentration:	2.09 mg/ml
Expression System:	HEK293
Purity:	≥90%
Format:	Aqueous buffer solution.
Formulated In:	8 mM phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol
MW:	31 kDa + glycans
Glycosylation:	This protein runs at a higher MW by SDS-PAGE due to glycosylation.
Genbank Accession:	NM_004334.3
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.
Specific Activity:	127.60 pmol/min/μg
Assay Conditions:	A CD157 hydrolase protocol was followed: 5 μl of a 10% DMSO solution was pre-incubated with 40 μl of CD157 (BTS1), His-Tag Recombinant enzyme for 30 minutes at Room Temperature (RT) before addition of 5 μl of 600 μM E-NAD substrate. The reaction was incubated for 1 hour at RT before fluorescence intensity was measured (λ_{ex} = 300 nm; λ_{em} = 410 nm).
Applications:	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Control Data

4-20% SDS-PAGE Coomassie Staining



CD157 Activity

