



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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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## Data Sheet

### B7-2 (CD86)

Human, recombinant, Fc fusion protein  
Catalog #: 71150  
Lot#: 140422                      Conc.: 1.55 mg/ml

**Formulated in:** 40 mM Tris, pH 8.0, 110 mM NaCl, 2.4 mM KCl, and 20% glycerol.

**Stability:** >6 months at  $-80^{\circ}\text{C}$ . Avoid freeze/thaw cycles. Protein may be diluted to  $\geq 100 \mu\text{g/ml}$  in PBS + glycerol and stored at  $-80^{\circ}\text{C}$ .

**Endotoxin Level:**  $<0.1 \text{ EU}/\mu\text{g}$

#### References:

1. Ertelt, J.M., *et al. J. Leukocyte Biol.* 2013; **94(2)**: 367-376.
2. Kuchroo, V.K., *et al., Cell.* 1995; **80(5)**:707-718.

#### Description:

Human secreted B7-2, Fc fusion protein, also known as T-lymphocyte activation antigen CD86, B7.2, FUN-1, B70, BU63, and CD86. GenBank Accession No. NM\_006889, a.a. 20-239 expressed in a HEK293 cell expression system. MW = 51.9 kDa (monomer). This protein runs at a higher MW by SDS-PAGE due to glycosylation.

#### Application:

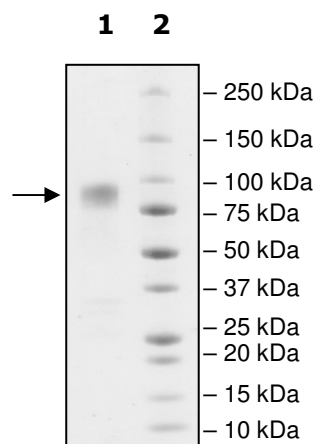
Useful for studying protein binding and screening small molecules.

### Quality Assurance

#### 4-20% SDS-PAGE Coomassie staining

**Lane 1:**  
2  $\mu\text{g}$  B7-2  
**Lane 2:**  
Protein Marker

**MW:** 51.9 kDa + glycans  
**Purity:**  $\geq 90\%$



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## ***Sequence***

LKIQAYFNETADLPCQFANSQSQSLSELVFWQDQENLVLNEVYLGKEKFDSVHSKY  
MGRTSFDSDSWTLRLHNLQIKDKGLYQCIIHKKPTGMIRIHQMNSELSVLANSQPEI  
VPISNITENVYINLTCSSIHGYPEPKMSVLLRRTKNSTIEYDGIMQKSQDNVTELYDVSIS  
LSVSFPDVTSNMTIFCILETDKTRLLSSPFSIELEDPQPPDHDIEGRMDPKSCDKTHTC  
PPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEV  
HNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQ  
PREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDS  
DGSFFLYSKLTVDKSRWQQGNVFCVSMHEALHNHYTQKSLSLSPGK

Black: B7-2 (a.a. 20-239)

Green: linker

Red: Fc of human IgG1 (a.a. 100-330)

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