



# 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-H5, Fc fusion

Human, recombinant, Fc fusion protein

**Catalog #:** 71148

**Lot #:** 140430-D      **Conc.:** 1.75 mg/ml

**Formulated in:** 40 mM Tris, pH 8.0, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol.

**Stability:** At least 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. Byrum, J.N., *et al.*, *J. Immunol.* 2013 Sep 15;**191**(6):3073-3081.
2. Zhu, Y., *et al.*, *Nat Commu.* 2013;**4**:2043.

#### Description:

Human secreted B7-H5, Fc fusion protein, also known as Gi24, Dies1, VISTA, and SISP1, GenBank Accession No. NM\_022153, a.a. 33-194 expressed in a HEK293 cell expression system. MW = 46.7 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:**

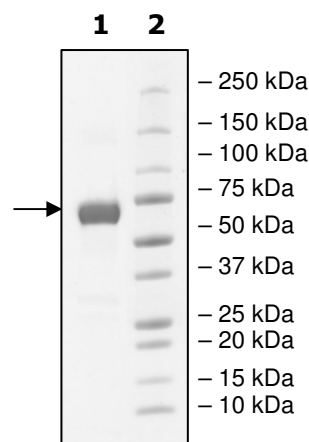
3.5  $\mu\text{g}$  B7-H5

**Lane 2:**

Protein Marker

**MW:** 46.7 kDa + glycans

**Purity:**  $\geq 90\%$



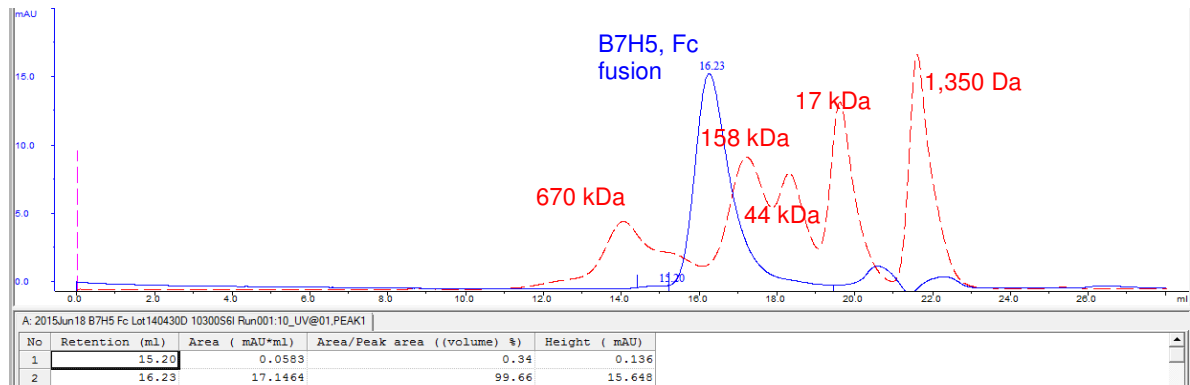
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### Gel Filtration Trace



### Sequence

**FKVATPYSLYVCPEGQNVLTLCRLLGPVDKGHVTFYKWTWYRSSRGEVQTCSERRPI  
 RNLTFQDLHLHHGGHQAANTSHDLAQRHGLASDHHGNFSITMRNLTLLDGLYCC  
 LVVEIRHHHSEHRVHGAMELQVQTGKDAPSNCVVYPSSSQDSENITAAIEGRMDPKS  
 CDKTHTCPPELGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNW  
 YVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTI  
 SKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT  
 PPVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGK\***

**Black:** B7-H5 (a.a. 33-194)

**Green:** linker

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

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