



# 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

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## Data Sheet

### Hsp70 (Q435A)

Human, recombinant, C-terminal His-tag

Catalog #: 50288

Lot #: 130802                      Conc.: 3.3 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0,  
110 mM NaCl, 2.2 mM KCl, 0.04% Tween-  
20, 175 mM Imidazole and 20% glycerol.

**Stability:** >6 months at  $-70^{\circ}\text{C}$ . Avoid  
freeze/thaw cycles.

#### References:

1. Lee K.J. *et al.*, *Exp. Mol. Med.* **40** (6),  
658-668 (2008).
2. Birtas-Atesoglu E.*et al.*, *Clin. Exp.*  
*Rheumatol.* **26**, S96-S98 (2008).

#### Description:

Human induced Heat Shock Protein 70 (Q435A), also known as induced Hsp70 and Hsp70i, with a Gln to Ala mutation on a.a. 435 of the Hsp70 protein. GenBank Accession No. NM\_005345, a.a. 1-641(end) with C-terminal His-tag, MW = 70.8 kDa, expressed in an *E. coli* expression system.

#### Application:

Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

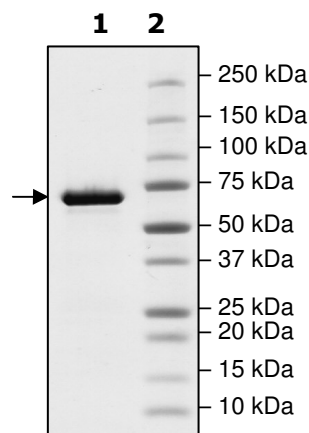
### Quality Assurance

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

**Lane 1:**  
Hsp70 (Q435A)

**Lane 2:**  
Protein Marker

**Purity:**  $\geq 90\%$   
**MW:** 70.8 kDa



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Sequence:

MAKAAAIGIDLGTTYSCVGVFQHGKVEIIANDQGNRTTPSYVAFTDTERLIGDAAKNQV  
ALNPQNTVFDKRLIGRKFQDPVVQSDMKHWPFQVINDGDKPKVQVSYKGETKAFY  
PEEISSMVLTKMKEIAEAYLGYPTNAVITVPAYFNDSQRQATKDAGVIAGLNLVRIINE  
PTAAAIAYGLDRTGKGERNVLIFDLGGGTFDVSILTIDDGIFEVKATAGDTHLGGEDFD  
NRLVNHFVEEFKRKHKKDISQNKRAVRRRLTACERAKRTLSSSTQASLEIDSLFEGID  
FYTSITRARFEELCSDLFRSTLEPVEKALRDAKLDKAIHDLVLVGGSTRIPKVQKLLQ  
DFFNDRDLNKSINPDEAVAYGAAVQAAILMGDKSENVQDLLLLDVAPLSLGLTAGG  
VMTALIKRNSTIPTKQTQIFTTYSDNAPGVLIQVYEGERAMTKDNNLLGRFELSGIPPA  
PRGVPQIEVTFDIDANGILNVTATDKSTGKANKITITNDKGRLSKEEIERMVQEAKEYK  
AEDEVQRERVSAKNALESYAFNMKSAVEDEGLKKGISEADKKKVLDKCQEVISWLDA  
NTLAEKDEFEHKRKELEQVCNPIISGLYQGAGGPGPGGFGAQQGPKGGSGSGPTIEEV  
DHHHHHH

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