

For Research Use Only

Recombinant Human HSP27 protein (rFc Tag)



Catalog Number: Eg4620

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human HSP27 protein Ala70-Thr184 (Accession# P04792) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

3315

Accession:

P04792

Predicted Molecular Mass:

39.0 kDa

SDS-PAGE:

40-55 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Heat shock protein 27 (HSP27), also known as HSPB1, belongs to the small heat shock protein family which is induced in response to environmental challenges or/and developmental transitions. It is also an anti-apoptotic protein that plays crucial roles in tumorigenesis and cell survival and is reported to be an independent prognosis marker for cancer. Recently HSP27 has been found to be a valuable marker for melanoma.

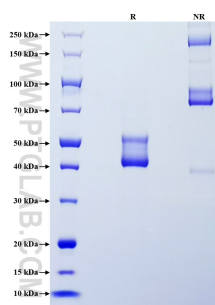
References

1. Kijima K. et al. (2005). J Hum Genet. 50(9):473-476.
2. Foster CS. et al. (2009). Br J Cancer. 101(7):1137-44.
3. Okuno M. et al. (2016). Int J Mol Sci. 17(1):137.
4. Seo MK. et al. (2020). Pharmacoecon Open. 4(3):529-539.

Synonyms

HSPB1, CMT2F, Estrogen-regulated 24 kDa protein, HMN2B, Hsp25

Selected Validation Data



Purity of Recombinant Human HSP27 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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