

Recombinant Human RRAS protein (rFc Tag)

Catalog Number: Eg6612

Basic Information

Species:
Human**Purity:**
>85 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>85 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human RRAS protein Asp23-Ser201 (Accession# P10301) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

6237

Accession:

P10301

Predicted Molecular Mass:

45.5 kDa

SDS-PAGE:

44-53 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

Ras-related protein R-Ras2 (RRAS2) is also named TC21 and Teratocarcinoma oncogene. The RRAS2 member of the RAS-related subfamily, also known as TC21, is a close relative of the classic RAS GTPases (PMID: 3898776). RRAS2, a member of the R-Ras subfamily of Ras-like low-molecular-weight GTPases, is located in the plasma membrane and functions as a signal transducer (PMID: 38601074). RRAS2 is GTP-binding protein with GTPase activity, involved in the regulation of MAPK signaling pathway and thereby controlling multiple cellular processes (PMID: 31130282).

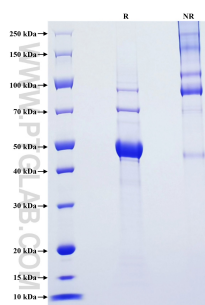
References

1. Colicelli, John. Science's STKE 2004.250 (2004): re13-re13.
2. Pfeil, Alexander J., et al. Clinical Cancer Research (2026).
3. Xiao, Ruowen, et al. Translational Cancer Research 8.2 (2019): 664.
4. Flex, Elisabetta, et al. Human molecular genetics 23.16 (2014): 4315-4327.
5. Miller, John P., et al. PLoS genetics 8.11 (2012): e1003042.

Synonyms

EC:3.6.5.-, p23, Ras related protein R Ras, Ras-related protein R-Ras

Selected Validation Data



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

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

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