

Product description



Product name HRAS

HRAS : Involved in the activation of Ras protein signal transduction
Add brief description of the product.
Ras proteins bind GDP/GTP and possess intrinsic GTPase activity.



Catalog number RA125711

Uniprot ID P011121

Synonyms: GTPase Hras, H-Ras-1, Ha-Ras, Transforming protein p21, c-H-ras, p21ras

Protein sequence

MHHHHHHHGKPIPPLLGLDSTENLYFQGIDPFTTEYKLVVVVGAGGVGKSALTIQLIQNHVDEYDPTIEDSYRKQVVIDGETCLLDILTAGQE
EYSAMRDQYMRTGEGFLCVFAINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNKCDLAARTVESRQAQDLARSYGIPYIETSAKTRQGVED
AFYTLVREIRQHKLRKLNPPDESGPGCMSCKCVLS

Product features and protocols

Key features

- 1** Purity >95%
as determined by SDS-PAGE
- 2** Labelling **Arg-¹³C₆, ¹⁵N₄ | Lys-¹³C₆, ¹⁵N₂**
- 3** Isotopic incorporation >98%
as determined by LC-MS/MS
analysis of digested SIL-protein

Other features

Predicted MW	24.950 kDa
Expression System	E.coli
Purification Tag	polyHis tag at the N-terminus end
Protein content	Quantitation is carried out by UV Absorbance at 280 nm
Formulation	Lyophilized: 150 mM NaCl 2 mM MgCl ₂ 20 mM HEPES pH 7.5

Product preparation

For product preparation we recommend the following steps:

- Briefly centrifuge the tube before opening
- Reconstitute by adding the appropriate volume of ultrapure water for a final concentration of 200 µg/ml (e.g. 50 µl for 10 µg or 250 µl for 50 µg conditioning)
- Vortex gently to insure complete dissolution
- Wait 15 minutes at Room temperature before proceeding further
- Vortex gently again and centrifuge briefly

Product storage

The product is lyophilized and shipped at room temperature. **Store at -80 °C upon receipt.**

After reconstitution, the protein can be preserved at 4°C for a few weeks.

Avoid multiple freeze-thaw cycles

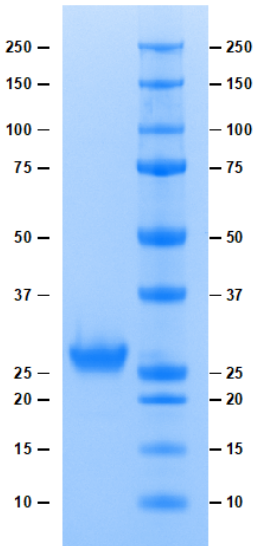
How to use our product



SIL proteins allow to overcome the process variability since they are added at the very beginning of a sample preparation. This has potential positive impact on your analyte quantification, especially if the analyte interacts with other species commonly present within the matrix (1).



Supporting information



HRAS RA125711:
SDS-PAGE gel analysis in Reducing/Heated conditions (RH). Stained with Coomassie blue.

References

1. **G.Picard, D. Lebert, et al.** PSAQ standards for accurate MS-based quantification of proteins: from the concept to biomedical applications, *J. Mass Spectrom.* 2012, 47, 1353-1363



The product is intended for research use only. Not for diagnostic or therapeutic use.

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