

**H-Ras^{GST}**

Harvey rat sarcoma viral oncogene homolog
human, recombinant, *E. coli*

Cat. No.	Amount
PR-364	50 µg

For general laboratory use.

Shipping: shipped on dry ice

Storage Conditions: store at -80 °C

Additional Storage Conditions: avoid freeze/thaw cycles

Shelf Life: 12 months

Molecular Weight: 48 kDa

Accession number: NP_005334

Purity: > 90 % (SDS-PAGE)

Form: liquid (Supplied in 25 mM HEPES pH 7.2, 40 mM NaCl, 5 mM DTT, 2 mM MgCl₂ and 10 mM GDP)

Description:

Ras proteins are members of the superfamily of small GTP-binding proteins that function as molecular switches controlling a variety of signaling and transport pathways. H-Ras is one of the classic human Ras proteins (H-, N-, K-Ras4A, and K-Ras4B). Suitable as a substrate for farnesyltransferase. The GST-Tag facilitates the protein's application in typical GST pull-down assays.

Activity:

GTPγS binding: >750 mmol/mol.

Selected References:

Sasazuki *et al.* (2005) Transformation by Oncogenic RAS Sensitizes Human Colon Cells to TRAIL-induced Apoptosis by Up-regulating Death Receptor 4 and Death Receptor 5 through a MEK-dependent Pathway. *J Biol. Chem.* **280**:22856.

Marshall (1995) Ras target proteins in eukaryotic cells. *FASEB J.* **9**:1311.

Reiss *et al.* (1990) Inhibition of purified P21Ras farnesyl-protein transferase by Cys-aaX tetrapeptides. *Cell* **62**:81.