# Recombinant Human KRAS Protein (T2-K169, G12C), Tag Free

**Cat. No.** KRAS-0949H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human GG-KRas4B(T2-K169) (G12C) Protein was expressed in E. coli. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | T2-K169, G12C |
| **Description** | Ras proteins bind GDP/GTP and possess intrinsic GTPase activity. Plays an important role in the regulation of cell proliferation. Plays a role in promoting oncogenic events by inducing transcriptional silencing of tumor suppressor genes (TSGs) in colorectal cancer (CRC) cells in a ZNF304-dependent manner. |
| **Form** | Liquid |
| **Endotoxin** | < 0.01 EU per μg of the protein |
| **Purity** | 90% |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. |
| **Storage** | Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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| **Storage Buffer** | Supplied as sterile 50mM Tris-HCl (pH 7.5), 200mM NaCl, 20% glycerol |
| **Shipping** | It is shipped out with blue ice. |

## GENE INFORMATION

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| **Gene Name** | KRAS v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog [ Homo sapiens (human) ] |
| **Official Symbol** | KRAS |
| **Synonyms** | KRAS; v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog; KRAS2, v Ki ras2 Kirsten rat sarcoma 2 viral oncogene homolog; GTPase KRas; KRAS1; K-Ras 2; c-Ki-ras; oncogene KRAS2; K-ras p21 protein; c-Kirsten-ras protein; PR310 c-K-ras oncogene; transforming protein p21; cellular c-Ki-ras2 proto-oncogene; v-Ki-ras2 Kirsten rat sarcoma 2 viral oncogene homolog; Kirsten rat sarcoma-2 viral (v-Ki-ras2) oncogene homolog; NS; NS3; KRAS2; RASK2; KI-RAS; C-K-RAS; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B; |
| **Gene ID** | 3845 |
| **mRNA Refseq** | NM_004985 |
| **Protein Refseq** | NP_004976 |
| **MIM** | 190070 |
| **UniProt ID** | P01116 |

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