

## 32-4068: Recombinant Human Kirsten Rat Sarcoma Viral Oncogene, Isoform 2A

**Alternative Name :** GTPase KRas,K-Ras 2,Ki-Ras,c-K-ras,c-Ki-ras,KRAS,KRAS2,RASK2,C-K-RAS,CFC2,K-RAS2A,K-RAS2B,K-RAS4A,K-RAS4B,KI-RAS,KRAS1,NS,NS3,Kirsten rat sarcoma viral oncogene homolog.

### Description

Source : Escherichia Coli. KRAS 2A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 210 amino acids (1-186 a.a) and having a molecular mass of 23.8kDa.KRAS 2A is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Kirsten Rat Sarcoma Viral Oncogene, Isoform 2A (KRAS-2A) belongs to the small GTPase superfamily. The KRAS-2A protein is involved in a variety of malignancies, including lung adenocarcinoma, mucinous adenoma, ductal carcinoma of the pancreas and colorectal carcinoma. Ras family members impact cell growth and differentiation events in a subcellular membrane compartmentalization-based signaling system under normal conditions. Oncogenic Ras can deregulate processes which control both cell proliferation and apoptosis.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** KRAS 2A protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSHMTEYKL VVVGAGGVGK SALTQLIQN HFVDEYDPTI EDSYRKQVVI DGETCLLDIL DTAGQEEYSA MRDQYMRTGE GFLCVFAINN TKSFEDIHHY REQIKRVKDS EDVPMVLVGN KCDLPSRTVD TKQAQDLARS YGIPFIETSA KTRQRVEDAF YTLVREIRQY RLKKISKEEK TPGCVKIKKC.

