

**KRAS, 1-185aa, Human, His tag, E.coli**

**Cat.NO.: TP02761**

3th Edition

**Synonyms:**GTPase Kras, C-K-RAS, K-RAS2A, K-RAS2B, K-RAS4A, K-RAS4B, KI-RAS, KRAS1, NS3, RASK2

**Description:**KRAS is a member of the small GTPase superfamily. This protein is implicated in various malignancies, including lung adenocarcinoma, mucinous adenoma, ductal carcinoma of the pancreas and colorectal carcinoma. Under normal conditions, Ras family members influence cell growth and differentiation events in a subcellular membrane compartmentalization-based signaling system. Oncogenic Ras can deregulate processes that control both cell proliferation and apoptosis.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl,1mM DTT, 10% glycerol

**Molecular Weight:**23.2 kDa (205aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYRKQVVIDGETCLLDILD  
TAGHEEYSAMRDQYMRTGEGFLCVFAINNTKSFEDIHHYREQIKRVKDSVDPMVLVGNKCDLPSRTVDTKQAQD  
LARSYGIPFIETSAKTRQGVDDAFYTLVREIRKHKEKMSKDGKSKTKC

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.