

KRAS 2B Human

Description: KRAS 2B Recombinant human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 205 amino acids (1-185 a.a.) and having a molecular mass of 23.2 kDa. The Human KRAS 2B is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: PRPS-861

For research use only.

Synonyms: C-K-RAS, K-RAS2A, K-RAS2B, K-RAS4A, K-RAS4B, KI-RAS, KRAS1, NS3, RASK2, c-Ki-ras, GTPase KRas, Kirsten Rat Sarcoma Viral Oncogene, KRAS.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MTEYKLVVVG AGGVGKSALT
IQLIQNHFVD EYDPTIEDSY RKQVVIDGET CLLDILDITAG HEEYSAMRDQ YMRTGEGFLC
VFAINNTKSF EDIHYYREIQI KRVKDSVDV MVLVGNKCDL PSRTVDTKQA QDLARSYGIP
FIETSAKTRQ GVDDAFYTLV REIRKHKEKM SKDGKKKKKK SKTKC.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

KRAS 2B Human solution containing 20mM Tris-HCl pH-8, 0.1M NaCl, 1mM DTT & 10% glycerol.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

KRAS is part of the small GTPase superfamily. A single amino acid substitution is accountable for an activating mutation. KRAS participates in various malignancies, including lung adenocarcinoma, mucinous adenoma, ductal carcinoma of the pancreas and colorectal carcinoma.

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