

## Kirsten Rat Sarcoma Viral Oncogene, Isoform 2B Human Recombinant

|                                          |                                                                                                                                                                                                                                                                                                           |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Item Number</b>                       | rAP-3519                                                                                                                                                                                                                                                                                                  |
| <b>Synonyms</b>                          | 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.                                                                                                                                                                  |
| <b>Description</b>                       | 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. |
| <b>Uniprot Accession Number</b>          | P01116                                                                                                                                                                                                                                                                                                    |
| <b>Amino Acid Sequence</b>               | MGSSHHHHH SSGLVPRGSH MTEYKLVVVG AGGVGKSALT IQLIQNHFVD EYDPTIEDSY RKQV-VIDGET CLLDILDTAG HEEYSAMRDQ YMRTGEGFLC VFAINNTKSF EDIHHYREQI KRVKDSQEDVP MVLVGNKCDL PSRTVDTKQA QDLARSYGIP FIETSAKTRQ GVDDAFYTLV REIRKHKEKM SKDGKKKKKK SKTKC.                                                                       |
| <b>Source</b>                            | Escherichia Coli.                                                                                                                                                                                                                                                                                         |
| <b>Physical Appearance and Stability</b> | Sterile filtered colorless solution. 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.                                 |
| <b>Formulation and Purity</b>            | KRAS 2B Human solution containing 20mM Tris-HCl pH-8, 0.1M NaCl, 1mM DTT & 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.                                                                                                                                                                    |
| <b>Application</b>                       |                                                                                                                                                                                                                                                                                                           |
| <b>Solubility</b>                        |                                                                                                                                                                                                                                                                                                           |
| <b>Biological Activity</b>               |                                                                                                                                                                                                                                                                                                           |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.                                                                                                                                                                                                                                                                   |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**