Tel : +33 (0) 4.38.02.36.50
contact@promise-proteomics.com
www.promise-proteomics.com

Product name	**KRAS 2B G12C/C51S/ C80L/C118S mutant**
Catalog number	**RA113970**
Uniprot ID	**P01116-2**

Product description

Human KRAS isoform 2B plays an important role in the regulation of cell proliferation and in promoting oncogenic events. In particular, KRAS G12C mutation predominates in NSCLC (Non small cells lung cancer), as well as in pancreatic and colorectal cancer.

Synonyms: GTPase Kras, K-Ras 2, c-K-ras, Ki-Ras

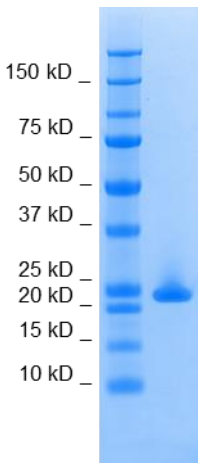
Protein sequence

MSGSHHHHHHGSSGIEGRMTEYKLVVVGACGVGKSALTIQLIQNHFVDEYDPTIEDSYRKQVVIDGETSLLDILDTAGQEEYSAMRDQYMRT
GEGFLLVFAINNTKSFEDIHHYREQIKRVKDSEDVPMVLVGNKSDLPSRTVDTKQAQDLARSYGIPFIETSAKTRQGVDDAFYTLVREIRKHKEK

Product features and protocols

Purity

>90%
as determined by SDS-PAGE



SDS-PAGE gel analysis of KRAS 2B G12C/C51S/ C80L/C118S protein Reducing/Heated conditions (RH) and stained with Coomassie blue.

Other features

Predicted MW	21.20 kDa
Expression System	*E. coli*
Purification Tag	PolyHis tag at the N-terminus end
Protein content	Determined by BCA assay with BSA as standard
Formulation	Lyophilized from 20 mM HEPES, pH 7.5, 150 mM NaCl and 2 mM $MgCl_2$ buffer.

Product preparation

For product preparation we recommend the following steps:

1. Briefly centrifuge the tube before opening
2. Reconstitute by adding the appropriate volume of ultrapure water for a final concentration of 200 µg/ml (e.g. 50 µl for 10 µg or 250 µl for 50 µg conditioning)
3. Vortex gently to insure complete dissolution
4. Wait 15 minutes at room temperature before proceeding further
5. Vortex gently again and centrifuge briefly

Product storage

The product is lyophilized and shipped at room temperature. **Store at -80 °C upon receipt.**
After reconstitution, the protein can be preserved at 4°C for a few weeks.

Avoid multiple freeze-thaw cycles

The product is intended for research use only. Not for diagnostic or therapeutic use.

PROMISE Proteomics SAS, BHT 52A 7, parvis Louis Néel – CS20050
38040 Grenoble Cedex 9 – France