Product Name: Recombinant Human KRAS4B(G12V, N-6His) Enkilife Catalog #: PEH2202

概述 (Summary)

英文全称 KRAS4B(G12V, N-6His)

纯度 (Purity) Greater than 95% as determined by reducing SDS-PAGE

内毒素 (Endotoxin level) <1 EU/μg as determined by LAL test.

蛋白构建 (Construction) Recombinant Human GTPase Kras4B is produced by our E.coli expression

system and the target gene encoding Met1-Lys169 is expressed with a

6His tag at the N-terminus.

Accession # P01116-2

蛋白标签 (Tag)

表达宿主 (Host) E.coli 种属 (Species) Human 预测分子量 (Predicted MW) 21.4 KDa

蛋白形态 (Form) Lyophilized from a 0.2 µm filtered solution of 20mM Histidine-HCl, 10%

Trehalose, 50mM NaCl, 0.05% Tween 80, pH 6.0.

储存缓冲液 (Buffer)

运输方式 (Shipping) The product is shipped at ambient temperature. Upon receipt, store it

immediately at the temperature listed below.

稳定性&储存 (Stability &Storage) Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3

months under sterile conditions after opening. Please minimize freeze-thaw

cycles.

复溶 (Reconstitution) Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It

Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized

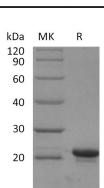
is not recommended to reconstitute to a concentration less than 100µg/ml.

protein in distilled water. Please aliquot the reconstituted solution to minimize

freeze-thaw cycles.

电泳图 (SDS-PAGE image)

Web: https://www.enkilife.com E-mail: order@enkilife.com techsupport@enkilife.com Tel: 0086-27-87002838



背景 (Background)

分子別名 (Alternative Names) 背景介绍 (References) Ki-Ras; c-K-ras; KRAS2; RASK2; CFC2

K-Ras belongs to the small GTPase superfamily, Ras family. As other members of the Ras family, K-Ras is a GTPase and is an early player in many signal transduction pathways. It is usually tethered to cell membranes because of the presence of an isoprenyl group on its C-terminus. K-Ras functions as a molecular on/off switch. Ras proteins bind GDP/GTP and possess intrinsic GTPase activity. Plays an important role in the regulation of cell proliferation. Plays a role in promoting oncogenic events by inducing transcriptional silencing of tumor suppressor genes (TSGs) in colorectal cancer (CRC) cells in a ZNF304-dependent manner. Besides essential function in normal tissue signaling, the mutation of a K-Ras gene is an essential step in the development of many cancers. Several germline K-Ras mutations have been found to be associated with Noonan syndrome[4] and cardio-facio-cutaneous syndrome. Somatic K-Ras mutations are found at high rates in Leukemias, colon cancer, pancreatic cancer and lung cancer.

注意事项 (Note)

For Research Use Only, Not for Diagnostic Use.