重组人K-Ras4B蛋白

Recombinant Human KRAS (G12C) Protein

目录号 Catalog Number	552112
种属 Species	Human
表达系统 Expression System	E.coli
蛋白编号 Accession	P01116
基因ID Gene ID	3845
分子量 Molecular Weight	Predictes a molecular mass of 21.59 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 23.7 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MNHKVHHHHH HENLYFQSMT EYKLVVVGAC GVGKSALTIQ LIQNHFVDEY DPTIEDSYRK QVVIDGETCL LDILDTAGQE EYSAMRDQYM RTGEGFLCVF AINNTKSFED IHHYREQIKR VKDSEDVPMV LVGNKCDLPS RTVDTKQAQD LARSYGIPFI ETSAKTRQGV DDAFYTLVRE IRKHKEK
性状 Form	冻干粉末 Lyophilized powder
组分 Formulation	Lyophilized from sterile 25 mM HEPES, 150 mM NaCl, pH 7.4
纯度 Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
内毒素 Endotoxin	Not tested.
活性 Activity	Not tested.
稳定性 Stability	Samples are stable for up to twelve months from date of receipt at -70℃
预测 N 端 Predicted N-terminal	Met
蛋白构建 Protein Construction	DNA encoding 1-169 aa (P01116-2, G12C) was fused with a 6-His tag.

保存与运输

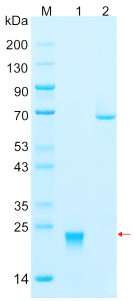
复溶 Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
储存 Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
运输 Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

功能描述

研究背景 Background	This product is a soluble recombinant human KRAS4b (G12C mutant) protein (amino acid 1-169) with an N-terminal 6×His tag. It is expressed and purified from Escherichia coli, with high solubility, uniform batch quality and high purity. G12C is a classic oncogenic point mutation of KRAS4b, which leads to abnormal activation of RAS signaling pathway. This protein is widely used for KRAS mutant targeted drug development, tumor signal activation mechanism and inhibitor screening research.

验证数据

SDS-PAGE



Recombinant Human KRAS (G12C) Protein SDS-PAGE
M: Marker; Lane 1: KRAS (G12C) ; Lane 2: BSA