Recombinant Human RAF1/c-Raf Protein

Catalog No.: RP03512LQ

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Sequence Information

Species
Human

Gene ID
5894

Swiss Prot
P04049

Tags
N-Flag

Synonyms
RAF proto-oncogene serine /threonine-protein kinase,Proto-oncogene c-RAF (cRaf),Raf-1, RAF1 ,RAF

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
9.7 KDa

Observed MW
10-15 kDa

Endotoxin
Please contact us for more information.

Formulation
0.22 μm filtered solution of 50 mM HEPES (pH 7.5), 200 mM NaCl, 20% glycerol, 1 mM DTT.

Reconstitution
Please use rapid thawing with running water to thaw the protein samples.For complete recovery, mix well and spin before use. Product must not be store in diluted solutions.Aliquots below 10 μl are not advisable.Avoid repetitive freeze-thaw cycles!

Background

RAF proto-oncogene serine/threonine-protein kinase, also known as proto-oncogene c-RAF or simply c-Raf or even Raf-1, is an enzyme that in humans is encoded by the RAF1 gene. The c-Raf protein is part of the ERK1/2 pathway as a MAP kinase (MAP3K) that functions downstream of the Ras subfamily of membrane associated GTPases. C-Raf is a member of the Raf kinase family of serine/threonine-specific protein kinases, from the TKL (Tyrosine-kinase-like) group of kinases. The regulation of c-Raf activity is complex. As a "gatekeeper" of the ERK1/2 pathway, it is kept in check by a multitude of inhibitory mechanisms, and normally cannot be activated in a single step. The most important regulatory mechanism involves the direct, physical association of the N-terminal autoinhibitory block to the kinase domain of c-Raf. It results in the occlusion of the catalytic site and full shutdown of kinase activity.

Basic Information

Description
Recombinant Human RAF1/c-Raf Kinase is produced by E. coli cells expression system. The target protein is expressed with sequence (N56-L131) of Human RAF1/c-Raf (Accession #NP_002871.1) fused with Flag at the N-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

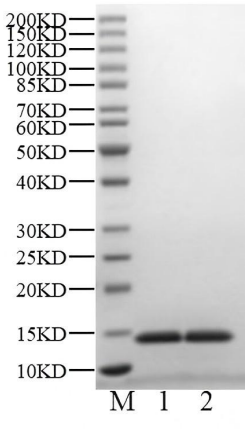
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human RAF1/c-Raf Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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