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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

RAF1 (Human) Recombinant Protein (P01)

Catalog Number: H00005894-P01

Regulation Status: For research use only (RUO)

Product Description: Human RAF1 full-length ORF (NP_002871.1, 1 a.a. - 648 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MEHIQGAWKTISNGFGFKDAVFDGSSCISPTIVQQFGY
QRRASDDGKLTDPKTSNTIRVFLPNKQRTVVNVRNG
MSLHDCLMKALKVRGLQPECCAVFRLLEHKGKKARL
DWNTDAASLIGEELQVDFLDHVPLTTHNFARKTFLKLA
FCDICQKFLNLFRCQTCGYKFEHCSTKVPTMCVD
WSNIRQLLLFPNSTIGDSGVPALPSLTMRRMRESVSR
MPVSSQHRYPHAFNTSSPSSEGLSQRQRSTST
PNVHVMVSTLTPVDSRMIEDAIRSHSESASPSALSSPN
NLSPTGWSQPKTPVPAQRERAPVSGTQEKNKIRPRG
QRDSSYYWEIEASEVMLSTRIGSGSFGTVYKKGWHG
DVAVKILKVVDPTEPQFQAFRNEVAVLRKTRHVNILLF
MGYMTKDNLAIVTQWCEGSSLYKHLHVQETKFMFQ
LIDIARQTAQGM DYLHAKNIIHRDMKSNIFLHEGLTVKI
GDFGLATVKSRWGSQSQVEQPTGSVLWMAPEVIRMQ
DNNPFSFQSDVYSYGIVLYELMTGELPYSHINNRDQIIF
MVGGRGYASPDLSKLYKNCPKAMKRLVADCVKVKKEE
RPLFPQILSSIELLQHSLPKINRSASEPSLHRAAHTEDIN
ACTLTTSPRLPVF

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 99.5

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced

Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5894

Gene Symbol: RAF1

Gene Alias: CRAF, NS5, Raf-1, c-Raf

Gene Summary: This gene is the cellular homolog of viral raf gene (v-raf). The encoded protein is a MAP kinase kinase kinase (MAP3K), which functions downstream of the Ras family of membrane associated GTPases to which it binds directly. Once activated, the cellular RAF1 protein can phosphorylate to activate the dual specificity protein kinases MEK1 and MEK2, which in turn phosphorylate to activate the serine/threonine specific protein kinases, ERK1 and ERK2. Activated ERKs are pleiotropic effectors of cell physiology and play an important role in the control of gene expression involved in the cell division cycle, apoptosis, cell differentiation and cell migration. Mutations in this gene are associated with Noonan syndrome 5 and LEOPARD syndrome 2. [provided by RefSeq]

References:

1. NO-released zinc supports the simultaneous binding of Raf-1 and PKC ζ cysteine-rich domains to HINT1 protein at the Mu-opioid receptor. Rodriguez-Munoz M, de la Torre-Madrid E, Sanchez-Blazquez P, Garzon J. Antioxid Redox Signal. 2011 Jan 15. [Epub ahead of print]