

Recombinant human BRAF + Cdc37 protein ab42596

1 Image

Description

Product name	Recombinant human BRAF + Cdc37 protein
Biological activity	<p>Specific Activity: 12 pmol/min/μg.</p> <p>Activity was tested using 1 μM MEK1 (K97R) as substrate. Assay was performed in a 50 μl reaction in 10 mM Tris, pH 7.4, 5 mM</p> <p>MgCl₂, 0.5 mM EDTA, 0.5 mM DTT, 5 μM ATP, 5 μg MEK1 (K97R) as substrate, and B Raf. 62 ng of B Raf enzyme phosphorylated over 18% of 1 μM MEK1 at room temperature in 1 hr.</p>
Purity	<p>> 25 % SDS-PAGE.</p> <p>Affinity purified.</p>
Expression system	Baculovirus infected Sf9 cells
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<p>SEDRNRMKT LGRRDSSDDW EIPDGQITVG</p> <p>QRIGSGSFGT VYKGKWHGVD AVKMLNVTAP</p> <p>TPQQLQAFKN EVGVLKTRH VNILLFMGYS TKPQLAIVTQ</p> <p>WCEGSSLYHH LHIETKFEM IKLIDIARQT AQGMDYLHAK</p> <p>SIIHRDLKSN NIFLHEDLT V KIGDFGLATV KSRWSGSHQF</p> <p>EQLSGSILWM APEVIRMQDK NPYSFQSDVY</p> <p>AFGVLYELM TGQLPYSNIN NRDQIFMVG RGYLSPDLSK</p> <p>VRSNCPKAMK RLMAECLKKK RDERPLFPQI</p> <p>LASIELLARS LPKIH</p>
Tags	His tag N-Terminus , DDDDK tag N-Terminus
Additional sequence information	Human BRAF (NM_004333, a.a.432-725, N-term His-tag, 36 kDa), and p50 (NM_007065, a.a.2-378 (end), N-term FLAG-tag, 45 kDa). Protein exists in a complex with Cdc37 and p50.

Specifications

Our **Abpromise guarantee** covers the use of **ab42596** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Inhibition Assay

Form	Liquid
Additional notes	Coexpressed in Baculovirus infected Sf9 cell expression system. Used for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Preservative: 1.53% Imidazole Constituents: 0.018% Potassium chloride, 0.0462% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.7% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.72% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Cellular localization	B Raf: Nucleus. Cytoplasm. Cell membrane. Colocalizes with RGS14 and RAF1 in both the cytoplasm and membranes. Cdc37: Cytoplasm.
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Images



10% SDS-PAGE with coomassie staining.

Left lane: 4 µg B Raf

Right lane: Protein marker

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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