



# Recombinant Human Serine/threonine-protein kinase B-raf (BRAF)

<b>Product Code</b>	CSB-BP002791HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P15056
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>AALSGGGGG GAEPGQALFN GDMEPEAGAG AGAAASSAAD PAIPEEVWNI            KQMIKLTQEH IEALLDKFGG EHNPPSIYLE AYEEYTSKLD ALQQREQQLL            ESLGNGTDFS VSSASMDTV TSSSSSSLSV LPSSLSVFQN PTDVARSNPK            SPQKPIVRVF LPNKQRTVVP ARCGVTVRDS LKKALMMRGL IPECCAVYRI            QDGEKKPIGW DTDISWLTGE ELHVEVLENV PLTTHNFVRK TFFTLAFCDF            CRKLLFQGFR CQTCGYKFHQ RCSTEVPLMC VNYDQLDLLF VSKFFEHHPI            PQEEASLAET ALTSGSSPSA PASDSIGPQI LTSPSPSKSI PIPQFRRPAD            EDHRNQFGQR DRSSAPNVH INTIEPVNID DLIRDQGFRG DGGSTTGLSA            TPPASLPGSL TNVKALQKSP GPQRERKSSS SSEDNRNRMKT LGRRDSSDDW            EIPDGQITVG QRIGSGSFGT VYKGKWHGDV AVKMLNVTAP TPQQLQAFKN            EVGVLKTRH VNILLFMGYS TKPQLAIVTQ WCEGSSLYHH LHIIETKFEM            IKLIDIARQT AQGMDYLHAK SIIHRDLKSN NIFLHEDLTV KIGDFGLATV            KSRWSGSHQF EQLSGSILWM APEVIRMQDK NPYSFQSDVY AFGIVLYELM            TGQLPYSNIN NRDQIIFMVG RGYLSPDLK VRSNCPKAMK RLMAECLKKK            RDERPLFPQI LASIELLARS LPKIHRASE PSLNRAGFQT EDFSLYACAS            PKTPIQAGGY GAFPVH</p>
<b>Source</b>	Baculovirus
<b>Target Names</b>	BRAF
<b>Protein Names</b>	Recommended name: Serine/threonine-protein kinase B-raf EC= 2.7.11.1 Alternative name(s): Proto-oncogene B-Raf p94 v-Raf murine sarcoma viral oncogene homolog B1
<b>Expression Region</b>	2-766
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	This gene encodes a protein belonging to the raf/mil family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene are associated with cardiofaciocutaneous syndrome, a disease characterized by heart defects, mental retardation and a distinctive facial appearance. Mutations in this gene have also been associated with



various cancers, including non-Hodgkin lymphoma, colorectal cancer, malignant melanoma, thyroid carcinoma, non-small cell lung carcinoma, and adenocarcinoma of lung. A pseudogene, which is located on chromosome X, has been identified for this gene.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.