

BRAF

Recombinant Human BRAF (wt) Active GST-His

Catalog No.	CSI11171	Quantity:	50 µg
Alternate Names:	B-RAF1, BRAF1, FLJ95109, MGC126806, MGC138284, RAFB1, 94 kDa B-raf protein, B-Raf, B-Raf proto-oncogene serine/threonine-protein kinase (p94), murine sarcoma viral (v-raf) oncogene homolog B1		
Description:	Human B-RAF, Amino acids Gln ₄₁₇ -His ₇₆₆ (as in GenBank entry NM_004333.2)*, N-terminally fused to GST-HIS ₆ -Thrombin cleavage site *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.294 µg/µl		
Gene ID:	673		
Protein Accession No:	NM_004333.2		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 69,127 Da		
Formulation:	50 mM Tris-HCl, pH 8.0 + 100 mM NaCl + 5 mM DTT + 4 mM reduced glutathione, 20% glycerol		
Purification:	One-step affinity purification using GSH-agarose		
Product Identity:	B-RAF was confirmed as human B-RAF by mass spectroscopy LC-ESIMS/MS		
Specific Activity:	139 pmol/µg×min		

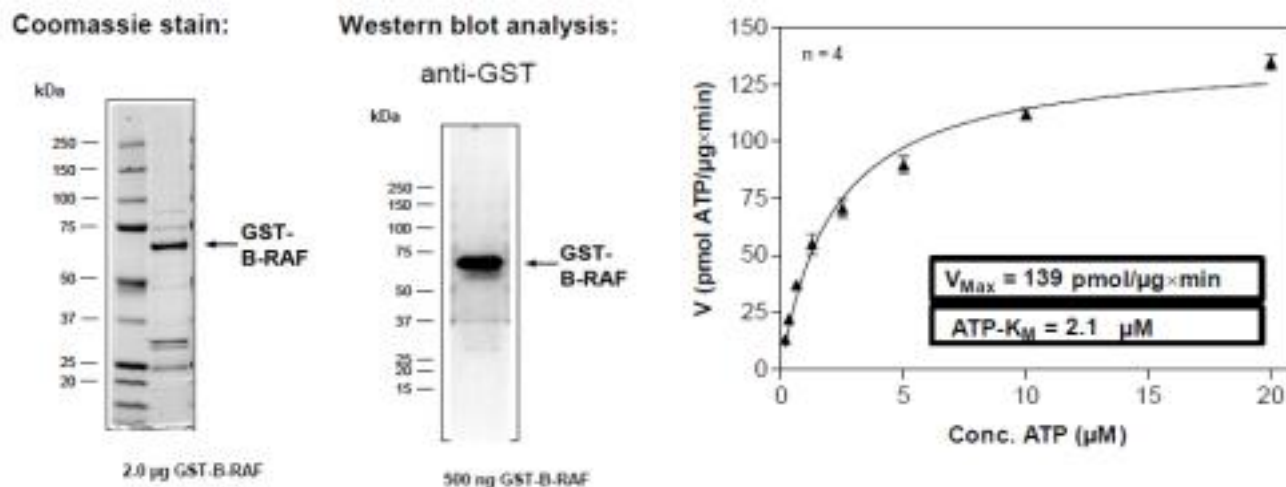
Method for determination of K_m value and specific activity:

- Assay conditions:
60 mM HEPES-NaOH, pH 7.5
3 mM MgCl₂
3 mM MnCl₂
3 µM Na-orthovanadate
1.2 mM DTT
50 µg / ml PEG_{20,000}
ATP (variable)
Substrate: MEK1-KM, 40 µg / ml
Recombinant B-RAF: 0.5 µg / ml
- Filter binding assay
MSFC membrane (Millipore)



Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

Determination of K_m value for ATP:



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