REACTION BIOLOGY

PRODUCT DATASHEET

bRAF-[RBD] (GST)

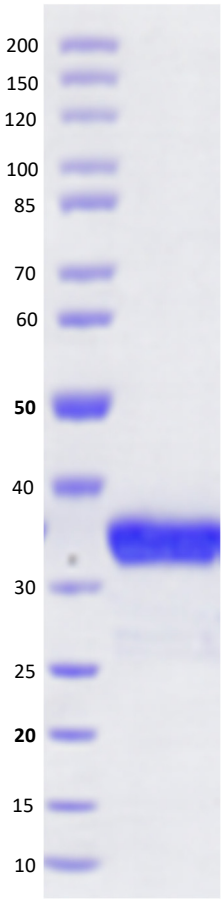
CATALOG NO.: MSC-11-574 **LOT NO.:**

DESCRIPTION: Human recombinant bRAF-[RBD] (residues 150-237; Genbank Accession #NP_004324.2; MW = 37.87 kDa) expressed as an N-terminal GST-fusion protein in *E. coli*.

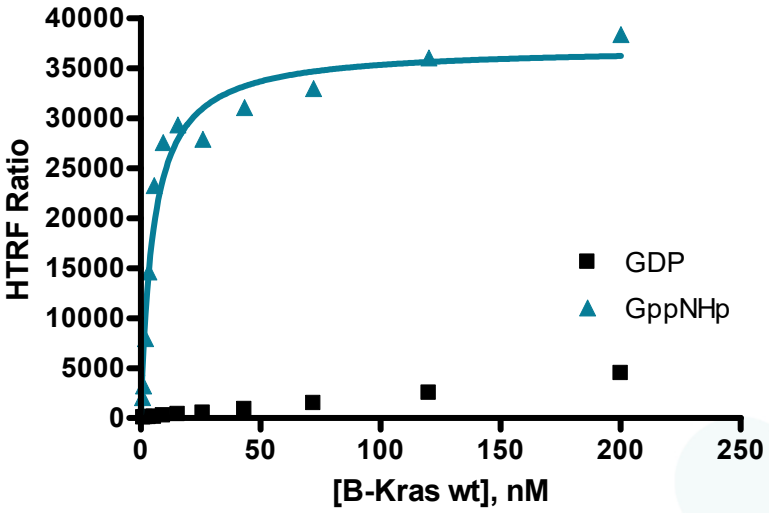
PURITY: >90% by SDS-PAGE

SUPPLIED AS: ___ µg/µL in 50 mM Tris-HCl, pH 7.5, 500 mM NaCl, 10% glycerol, 0.25 mM TCEP as determined by OD_{280}.

STORAGE: -70°C. Thaw quickly and store on ice before use. The remaining, unused, undiluted protein should be snap frozen, for example in a dry ice/ethanol bath or liquid nitrogen. Minimize freeze/thaws if possible, but very low volume aliquots (<5 µl) or storage of diluted enzyme is not recommended.



Coomassie blue-stained SDS-PAGE (4-12% acrylamide) of 4 µg of RBC bRAF-[RBD] (GST). MW markers (left) are, from top, 200, 160, 120, 100, 90, 80, 70, 60, **50**, 40, 30, 25, **20**, 15, 10 kDa.



KRAS/bRAF PPI assay. bRAF-[RBD] binding to KRAS::GppNHp and KRAS::GDP was assessed using Perkin Elmer HTRF detection (cat #61GSTTLB and 610SAXLB). The 15µL reaction contained 5nM bRAF-[RBD], variable concentration of KRAS and detection mix. Fluorescence emission (665 and 620nm) was read using PHERAstar reader (BMGLabtech) following 2h incubation.

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