

BioActive Human ARAF (S214C) Recombinant Protein, Fc Tag

Catalog Number:SGRP00655

DESCRIPTION	
Product Name	BioActive Human ARAF (S214C) Recombinant Protein, Fc Tag
Gene Name	ARAF
Source	Full length Human ARAF oncogenic mutation, expressed in HEK293 cells.
Alternative names	
SPECIFICATIONS	
Biological Activity	Fully biologically active
Purity	> 95% by SDS-PAGE & HPLC
Endotoxin Level	< 1.0 EU per µg protein as determined by the LAL method
Expression System	HEK293 Cells
Format	Recombinant
Species	Human
Predicted MW	
Actual MW	
Applications	Sandwich ELISA Functional Studies Mass Spectrometry SDS-PAGE HPLC
Form	Lyophilized from sterile PBS, pH 7.38
Concentration	N/A
Stability and Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	Reconstitute with Phosphate Buffered Saline.
BACKGROUND	
Gene Accession	P10398
Gene Alias	Protein names Recommended name Serine/threonine-protein kinase A-Raf EC number EC:2.7.11.1 (UniProtKB ENZYME Rhea) Alternative names Proto-oncogene A-Raf Proto-oncogene A-Raf-1 Proto-oncogene Pks Gene names Name ARAF Synonyms ARAF1, PKS, PKS2
Background	ARAF S214C has been found to be a recurrent oncogenic mutation in non-small cell lung cancer. It has been shown to confer sensitivity to sorafenib and trametenib in cell lines. In a case study of advanced stage lung adenocarcinoma harboring this mutation, sorafenib also achieved near-complete clinical remission. This case has brought more interest to the variant from a research and clinical perspective.



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