

BioActive Human BTK (C481S) Recombinant Protein, Fc Tag

Catalog Number:SGRP00688

DESCRIPTION	
Product Name	BioActive Human BTK (C481S) Recombinant Protein, Fc Tag
Gene Name	BTK
Source	Full length Human BRCA2 deletion, 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 7.71
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	Q06187
Gene Alias	Protein names Recommended name Tyrosine-protein kinase BTK EC number EC:2.7.10.2 (UniProtKB ENZYME Rhea) Alternative names Agammaglobulinemia tyrosine kinase (ATK) B-cell progenitor kinase (BPK) Bruton tyrosine kinase Gene names Name BTK Synonyms AGMX1, ATK, BPK

reversible.

Background

Acalabrutinib (A) is a selective, second-generation irreversible Bruton's Tyrosine Kinase inhibitor (BTKi) that has shown outstanding clinical activity in chronic lymphocytic leukemia (CLL) and other hematologic malignancies. Acquired resistance to the first-generation BTKi, ibrutinib (I), is mediated most commonly by C481S mutations in BTK, which decrease binding affinity and change binding from irreversible to