Seattle Genova
Tel: +1 (425) 247-3088 Fax: +1 (425) 650-9990
Email: info@seattle-genova.com Web: www.seattle-genova.com
Address: 18110 SE 34TH ST STE 455, Vancouver, WA 98683

BioActive Human ALK (I1171T) Recombinant Protein,Fc Tag

Catalog Number:SGRP00636

DESCRIPTION	
Product Name	BioActive Human ALK (I1171T) Recombinant Protein,Fc Tag
Gene Name	ALK
Source	Full length Human ALK (F1174L), 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 7.19
Concentration	N/A
Stability and Storage	Samples are stable for up to twelve months from date of receipt at -20℃ to -80℃. Store it under sterile conditions at -20℃ to -80℃. 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	Q9UM73
Gene Alias	Protein names Recommended name ALK tyrosine kinase receptor Curated EC number EC:2.7.10.1 2 Publications (UniProtKB | ENZYME | Rhea) Alternative names Anaplastic lymphoma kinase 1 Publication CD Antigen Name CD246 Gene names Name ALK

	lorlatinib.
Background	ALK I1171T lies within the protein kinase domain of the Alk protein (UniProt.org). I1171T confers a gain of function on the Alk protein as indicated by ligand-independent autophosphorylation, activation of Erk1/2, and cell transformation (PMID: 29907598), and has been demonstrated to confer drug resistance in the context of ALK fusions in culture (PMID: 27009859). Patients harboring ALK I1171T mutations are resistant to crizotinib and alectinib, but sensitive to ceritinib and