# Human c-Abl / ABL1 (GST Tag) recombinant protein

Catalog Number: 500496



#### **General Information**

## Gene Name Synonym

Abelson murine leukemia viral oncogene homolog 1; Abelson tyrosine-protein kinase 1; Protooncogene c-Abl; p150

#### **Protein Construction**

A DNA sequence encoding the amino acid sequence (Pro 137-Ser 554) of human ABL1 isoform B (NP\_009297.2) was fused with the GST tag at the N-terminus.

## **Organism**

Human

## **Expression Host**

**Baculovirus-Insect Cells** 

## QC Testing

## **Activity**

The specific activity was determined to be 240 nmol/min/mg using synthetic Abl peptide (EAIYAAPFAKKK) as substrate.

#### **Purity**

> 92 % as determined by SDS-PAGE

#### **Endotoxin**

< 1.0 EU per  $\mu g$  of the protein as determined by the LAL method

## **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

## Predicted N terminal

Met

#### Molecular Mass

The recombinant human ABL1/GST chimera consists of 645 amino acids and predicts a molecular mass of 74 kDa. It migrates as an approximately 65 kDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Supplied as sterile 50mM Tris, 100mM NaCl, 0.5mM PMSF, 0.5mM EDTA, 0.5mM Reduced Glutathione, pH 8.0

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

## **Usage Guide**

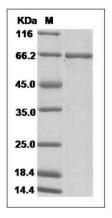
## **Storage**

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## **SDS-PAGE**



Human ABL1 / JTK7 / p150 Protein (GST Tag) SDS-PAGE