# Recombinant Human FAK (N-GST tag)

**Cat No:HR2R1377**

For research use only

## Overview

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|---|---|
| Quantity | 10 ?g |
| Gene Symbol | FAK |
| Gene ID | N/A |
| Accession | BC035404 |
| Alternative Name | PTK2; FADK; FAK1; FRNK; pp125FAK |
| Species | Human |
| Source | Insect cells |
| Description | ?FAK (Focal Adhesion Kinase) is a non-receptor protein tyrosine kinase involved in signal transduction from integrin-enriched focal adhesion sites that mediate cell contact with the extracellular matrix. FAK-enhanced signals have been shown to mediate the survival of anchorage-dependent cells and are critical for efficient cell migration in response to growth factor receptor and integrin stimulation . Elevated expression of FAK in human tumors has been correlated with increased malignancy and invasiveness . Elevated FAK expression in anaplastic astrocytoma and glioblastoma tumor biopsy samples has been demonstrated. |
| Functions | The specific activity of FAK was determined to be 28 nmol /min/mg as per activity assay protocol. |
| Formulation | 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. |
| Solubility | N/A |
| Appearance | Liquid |
| Molecular Weight | 140 |
| Purity | 70% - 90% |
| Concentration | |
| Shipping Condition | Dry Ice |
| Storage Condition | Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |