



Recombinant Protein Technical Manual
Recombinant Human FES Kinase/Feline sarcoma oncogene Protein (His & GST Tag)(Active)
RPES2600

Product Data:

Product SKU: RPES2600

Size: 20μg

Species: Human

Expression host: Baculovirus-Insect Cells

Uniprot: P07332

Protein Information:

Molecular Mass: 121 kDa

AP Molecular Mass: 110 kDa

Tag: N-His & GST

Bio-activity: The specific activity was determined to be 200 nmol/min/mg using Poly(Glu:Tyr) 4:1 as substrate.

Purity: > 75 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per μg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at <-20°C.

Formulation: Supplied as sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% glycerol

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: FPS

Immunogen Information:

Sequence: Met 1-Arg 822

Background:

Proto-oncogene tyrosine-protein kinase Fes/Fps, also known as Proto-oncogene c-Fes, Proto-oncogene c-Fps, Feline sarcoma oncogene, FES and FPS, is a protein which contains one FCH domain, one protein kinase domain and one SH2 domain. FES is a non-receptor protein tyrosine kinase expressed in hematopoietic progenitors and differentiated myeloid cells. FES is observed in the nuclear, granular and plasma membrane fractions of primary human neutrophils and the myeloid leukemia cell line, HL-60. The nuclear localization is confirmed by immunocytochemistry of neutrophils. FES has been implicated in granulocyte-macrophage colony-stimulating factor (GM-CSF), interleukin-3 (IL-3) and erythropoietin signal transduction. FES has tyrosine-specific protein kinase activity and that activity is required for maintenance of cellular transformation. FES is also involved in normal hematopoiesis. Its chromosomal location has linked it to a specific translocation event identified in patients with acute promyelocytic leukemia.