Recombinant Rat BTK (N-His tag)

Cat No:HR2R2242

For research use only

Overview

Quantity	10 ?g
Gene Symbol	BTK
Gene ID	N/A
Accession	NM_001007798
Alternative Name	AT; ATK; BPK; XLA; IMD1; AGMX1; PSCTK
Species	Rat
Source	Insect cells
Description	BTK (also known as Bruton tyrosine kinase) plays a crucial role in B-lymphocyte differentiation and activation. BTK interacts with SRC homology 3 domains of FYN, LYN and HCK that are activated upon stimulation of B- and T-cell receptors .Defects in the BTK gene cause Agammaglobulinemia, an X-linked immunodeficiency characterized by failure to produce mature B lymphocyte cells and associated with a failure of Ig heavy chain rearrangement. The unique role of BTK makes it a desirable target for potential anti-cancer, anti-inflammatory and anti-viral agents as well as other treatments .
Functions	The specific activity of BTK was determined to be 66 nmol /min/mg as per activity assay protocol.
Formulation	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	105
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.