

## Recombinant Human BTK protein, Flag-tagged, Biotinylated

Cat. No. BTK-38H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human BTK [2-659(end) amino acids of accession number NP_000052.1] fused with DYKDDDDK tag at N-terminal was expressed in insect cell and biotinylated. |
| <b>Species</b>          | Human                                                                                                                                                               |
| <b>Source</b>           | Insect Cells                                                                                                                                                        |
| <b>ProteinLength</b>    | 2-659 a.a.                                                                                                                                                          |
| <b>Form</b>             | 50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5                                                                                            |
| <b>Molecular Mass</b>   | 80 kDa                                                                                                                                                              |
| <b>Purity</b>           | >95% as determined by SDS-PAGE and CBB staining                                                                                                                     |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                            |
| <b>Conjugation</b>      | Biotin                                                                                                                                                              |

### GENE INFORMATION

|                        |                                                                |
|------------------------|----------------------------------------------------------------|
| <b>Gene Name</b>       | BTK Bruton agammaglobulinemia tyrosine kinase [ Homo sapiens ] |
| <b>Official Symbol</b> | BTK                                                            |

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| <b>Synonyms</b>            | BTK; ATK; PSCTK1; XLA; AT; BPK; IMD1; AGMX1                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene ID</b>             | 695                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>         | NM_000061                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Protein Refseq</b>      | NP_000052                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>MIM</b>                 | 300300                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>          | Q06187                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Chromosome Location</b> | Xq21.33-q22                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Pathway</b>             | Adaptive Immune System, organism-specific biosystem; Antigen Activates B Cell Receptor Leading to Generation of Second Messengers, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem; BCR signaling pathway, organism-specific biosystem; Class I PI3K signaling events, organism-specific biosystem; |
| <b>Function</b>            | ATP binding; ATP binding; identical protein binding; kinase activity; lipid binding; metal ion binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; phosphatidylinositol-3,4,5-trisphosphate binding; protein binding; protein kinase activity; protein tyrosine kinase activity; protein tyrosine kinase activity;                                                                                                                     |