

Product datasheet for TP311582

BTK (NM_000061) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Bruton agammaglobulinemia tyrosine kinase (BTK), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC211582 representing NM_000061 Red=Cloning site Green=Tags(s)

MAAVILESIFLKRSQQKKKTSPLNFKKRLFLLTVHKLSYYEYDFERGRRGSKKGSIDVEKITCVETVPE
KNPPPERQIPRRGEESSEMEQISIIERFPYPFQVYDEGPLYVFSPTTEELRKRWIHQKLNIVIRYNSDLVQ
KYHPCFWIDGQYLCCSQAKNAMGCQILENRNGSLKPGSSHRKTKKPLPPTPEEDQILKKPLPEPAAAP
VSTSELKKVVALDYMPMNANDLQLRKGDEYFILEESNLPWWWARDKNGQEGYIPSNYVTEAEDSIEMYE
WYSKHMTRSQAQELLKQEGKEGGFIVRDSKAGKYTVSVFAKSTGDPQGVIRHYVVCSTPQSQYYLAEKH
LFSTIPELINYHQHNSAGLISRLKYPVSQQNKNAPSTAGLGYGSWEIDPKDLTFLKELGTGQFGVWKYK
WRGQYDVAIKMIKEGSMSEDEFIEEAKVMMNLSHEKLVQLYGVCTKQRPIFIITEYMANGCLLNLYREMR
HRFQTQQLLEMCKDVCEAMEYLESKQFLHRDLAARNCLVNDQGVVKVSDFGLSRYVLDDEYTSSVGSKFP
VRWSPPEVLMYSKFSSKSDIWAFGVLMWEIYSLGKMPYERFTNSETAEHIAQGLRLYRPHLASEKVYTIM
YSCWHEKADERPTFKILLSNILDVMDEES

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

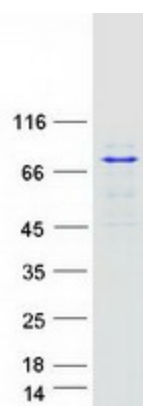
Tag:	C-Myc/DDK
Predicted MW:	76.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000052
Locus ID:	695
UniProt ID:	Q06187 , Q5JY90
RefSeq Size:	2591
Cytogenetics:	Xq22.1
RefSeq ORF:	1977
Synonyms:	AGMX1; AT; ATK; BPK; IGHD3; IMD1; PSCTK1; XLA
Summary:	The protein encoded by this gene plays a crucial role in B-cell development. Mutations in this gene cause X-linked agammaglobulinemia type 1, which is an immunodeficiency characterized by the failure to produce mature B lymphocytes, and associated with a failure of Ig heavy chain rearrangement. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2013]
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	B cell receptor signaling pathway, Fc epsilon RI signaling pathway, Primary immunodeficiency

Product images:



Coomassie blue staining of purified BTK protein (Cat# TP311582). The protein was produced from HEK293T cells transfected with BTK cDNA clone (Cat# [RC211582]) using MegaTran 2.0 (Cat# [TT210002]).