

## Product datasheet for TP314061L

### BACH2 (NM\_021813) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human BTB and CNC homology 1, basic leucine zipper transcription factor 2 (BACH2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214061 representing NM_021813 Red=Cloning site Green=Tags(s)

MSVDEKPDSPMYVYESTVHCTNILLGLNDQRKKDILCDVTLIVERKEFRAHRAVLAACSEYFWQALVGQT  
KNDLVVSLPEEVTARGFGPLLQFAYTAKLLLSRENIREVIRCAEFLRMHNLEDSFCFLQTQLLNSEDGL  
FVCRKDAACQRPHEDCENSAGEEEDEEEETMDSETAKMACPRDQMLPEPISFEAAAIPVAEKEEALLPEP  
DVPTDTKESSEKDALTYPRYKQYLACTKNVYNASSHSTSGFASTFREDNSSNSLKPGLARGQIKSEPP  
SEENEEESITLCLSGDEPDAKDRAGDVEMDRKQSPAPTPTAPAGAACLERSRSVASPCLRSLSITKS  
VELSGLPSTSQQHFARSPACPFDKGITQGDLKTDYPTFTGNYGQPHVGGQKEVSNFTMGSPLRGPGLEALC  
KQEGELDRRSVIFSSACDQVSTSVHSYSGVSSLDKDLSEVPKGLVWVAGQSLPSSQAYSHGGLMADHL  
PGRMRPNTSCPVIKVCPRSPLETRTRTSSSSSSSYAEDGSGGSPCSLPLCEFSSSPCSQGARFLATE  
HQEPGLMGDGMYNQVRPQIKCEQSYGTNSSDESSEADSESCPVQDRGQEVKLPFPVDQITDLPRNDF  
QMMIKMHKLTSEQLEFIHDVRRRSKNRIAAQRKRKLDICQNLCEIRKLVCEKEKLLSERNQLKACMG  
ELLDNFSCLSQEVCRDIQSPEQIQALHRYCPVLRPMDLPTASSINPAPLGAEQNIASQCAVGENVPCCL  
EPGAAPPWAPSNTSENCTSGRRLEGTDPGTFSEKPPLEPRSQTVTVDFCQEMTDKCTTDEQPRKDY  
T

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

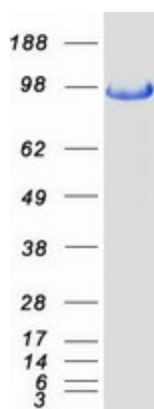
Tag:	C-Myc/DDK
Predicted MW:	92.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_068585</a>
<b>Locus ID:</b>	60468
<b>UniProt ID:</b>	<a href="#">Q9BYV9</a>
<b>RefSeq Size:</b>	9120
<b>Cytogenetics:</b>	6q15
<b>RefSeq ORF:</b>	2523
<b>Synonyms:</b>	BTBD25; IMD60
<b>Summary:</b>	Transcriptional regulator that acts as repressor or activator (By similarity). Binds to Maf recognition elements (MARE) (By similarity). Plays an important role in coordinating transcription activation and repression by MAFK (By similarity). Induces apoptosis in response to oxidative stress through repression of the antiapoptotic factor HMOX1 (PubMed:17018862). Positively regulates the nuclear import of actin (By similarity).[UniProtKB/Swiss-Prot Function]
<b>Protein Families:</b>	Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified BACH2 protein (Cat# [TP314061]). The protein was produced from HEK293T cells transfected with BACH2 cDNA clone (Cat# [RC214061]) using MegaTran 2.0 (Cat# [TT210002]).