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## Datasheet for ABIN7318194

# **BAX Protein (His tag)**

# Overview Quantity: 50 µg Target: BAX Origin: Human Source: Escherichia coli (E. coli) Protein Type: Recombinant Purification tag / Conjugate: This BAX protein is labelled with His tag. Product Details Purpose: Recombinant Human BAX/BCL2L4 Protein (His Tag)

Purpose:	Recombinant Human BAX/BCL2L4 Protein (His Tag)
Sequence:	Met 1-Gln171
Characteristics:	Recombinant Human BCL2-associated X protein is produced by our E.coli expression system and the target gene encoding Met1-Gln171 is expressed with a 6His tag at the N-terminus, 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	BAX
Alternative Name:	BAX/BCL2L4 (BAX Products)
Background:	Background: Apoptosis Regulator BAX (BAX) belongs to the Bcl-2 family. BAX exists as a homodimer and is expressed in a wide variety of tissues. The Bax gene encodes different

### **Target Details**

isoforms including Bax alpha (21 kDa) and Bax beta (24 kDa). Although both isoforms contain	
BH1, BH2 and BH3 domains, Bax beta has a unique carboxyl terminus and does not contain a	
hydrophobic transmembrane domain. BAX accelerates programmed cell death by binding to,	
and antagonizing the apoptosis repressor BCL2 or its adenovirus homolog E1B 19k protein.	
BAX also promotes activation of CASP3, and thereby apoptosis.	
Synonym: Apoptosis Regulator BAX, Bcl-2-Like Protein 4, Bcl2-L-4, BAX, BCL2L4	

Molecular Weight:

22.1 kDa

UniProt:

Q07812

Pathways:

p53 Signaling, PI3K-Akt Signaling, Apoptosis, Caspase Cascade in Apoptosis, Positive Regulation of Endopeptidase Activity, Unfolded Protein Response

### **Application Details**

Restrictions:

For Research Use only

### Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 $\mu$ m filtered solution of 20 mM PB,150 mM NaCl,2 mM EDTA,5 % Threhalose,30 % Glycerol, pH 7.4.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.