

## Recombinant Human BAZ2B, GST-tagged

**Cat. No.** BAZ2B-155H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human BAZ2B bromodomain (2064-2168 aa) fused to a GST tag at the N-terminus
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	2064-2168 a.a.
<b>Description</b>	<p>The acetylation of histone lysine residues plays a crucial role in the epigenetic regulation of gene transcription. A bromodomain is a protein domain that recognizes acetylated lysine residues such as those on the N-terminal tails of histones. This recognition is often a prerequisite for protein-histone association and chromatin remodeling. These domains function in the linking of protein complexes to acetylated nucleosomes, thereby controlling chromatin structure and gene expression. Thus, bromodomains serve as “readers” of histone acetylation marks regulating the transcription of target promoters. BAZ2B is expressed in heart, skeletal, testis, and pancreatic tissues. A rare allele of BAZ2B has been identified to be a predictor of Sudden Cardiac Death.<sup>4</sup> The full-length protein contains several DNA-targeting domains, including a methyl-CpG binding domain, a DNA-binding DDT domain, and a tandem PHD-bromodomain. This protein product contains the bromodomain of BAZ2B.</p>
<b>Form</b>	Liquid. 50 mM Tris, pH 7.5, containing 500 mM sodium chloride, 5% glycerol, and 5

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	mM β-mercaptoethanol.
<b>Molecular Mass</b>	40.2 kDa (2064-2168 aa + NT GST Tag)
<b>Purity</b>	≥80%
<b>Storage</b>	Store at -80°C. Avoid repeated freeze and thaw cycles. Stable for 1 year.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	BAZ2B bromodomain adjacent to zinc finger domain, 2B [ Homo sapiens ]
<b>Official Symbol</b>	BAZ2B
<b>Synonyms</b>	BAZ2B; bromodomain adjacent to zinc finger domain, 2B; bromodomain adjacent to zinc finger domain protein 2B; WALp4; hWALp4; FLJ45644; DKFZp434H071; DKFZp762I0516;
<b>Gene ID</b>	<a href="#">29994</a>
<b>mRNA Refseq</b>	<a href="#">NM_013450</a>
<b>Protein Refseq</b>	<a href="#">NP_038478</a>
<b>MIM</b>	<a href="#">605683</a>
<b>UniProt ID</b>	<a href="#">Q9UIF8</a>
<b>Chromosome Location</b>	2q24.2
<b>Function</b>	DNA binding; metal ion binding; protein binding; zinc ion binding;

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