



BHLHE22 peptide (DAG-P0222)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	BHLHE22 belongs to the basic helix-loop-helix (bHLH) family of transcription factors that regulate cell fate determination, proliferation, and differentiation. These proteins function as dimers and bind to an E-box DNA sequence (CANNTG). BHLHE22 is expressed exclusively in the central nervous system and retina (Xu et al., 2002 [PubMed 12213201]).[supplied by OMIM, Jul 2010]
Specificity	Brain-specific, with the highest expression in the cerebellum.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 basic helix-loop-helix (bHLH) domain.
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	BHLHE22 basic helix-loop-helix family, member e22 [Homo sapiens (human)]
Official Symbol	BHLHE22
Synonyms	BHLHE22; basic helix-loop-helix family, member e22; Beta3; BHLHB5; CAGL85; TNRC20; class E basic helix-loop-helix protein 22; trinucleotide repeat containing 20; class B basic helix-loop-helix protein 5; trinucleotide repeat-containing gene 20 protein; basic helix-loop-helix domain containing, class B, 5;
Entrez Gene ID	27319

mRNA Refseq	NM_152414.4
Protein Refseq	NP_689627.1
UniProt ID	B4DF88
Chromosome Location	8q13
Function	chromatin binding; protein homodimerization activity; sequence-specific DNA binding RNA polymerase II transcription factor activity;