

Recombinant Full Length Human BHLHE22 Protein, GST-tagged

Cat. No. BHLHE22-1620HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BHLHE22 full-length ORF (AAI56672.1, 1 a.a. - 381 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	381 amino acids
Description	This gene encodes a protein that belongs to the basic helix-loop-helix (bHLH) family of transcription factors that regulate cell fate determination, proliferation, and differentiation. A similar protein in mouse is required for the development of the dorsal cochlear nuclei, and is thought to play a role in in the differentiation of neurons involved in sensory input. The mouse protein also functions in retinogenesis.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	68.31 kDa
AA Sequence	MERGMHLGAA AAGEDDLFLH KLSASTSKR LEAAFRSTPP GMDLSLAPPP RERPASSSSS PLGCFEPADP EGAGLLLPPP GGGGGGSAGS GGGGGGGVGV PGLLVGSAGV GGDPSLSSLP AGAALCLKYG ESASRGSVAE SSGGEQSPDD DSDGRCELVL RAGVADPRAS PGAGGGGA KA AEGCSNAHLH GGASVPPGGL GGGGGGSSS GSSGGGGGSG SGSGGSSSSS SSSSKKSKEQ KALRLNINAR

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ERRRMHDLND ALDELRAVIP YAHSPSVRKL SKIATLLAK NYILMQAAL
 EEMRRLVAYL NQGQAISAAS LPSSAAAAAA AAALHPALGA YEQAAGYPFS
 AGLPPAASCP EKCALFNSVS SSLCKQCTEK P

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [BHLHE22 basic helix-loop-helix family, member e22 \[Homo sapiens \]](#)

Official Symbol [BHLHE22](#)

Synonyms BHLHE22; basic helix-loop-helix family, member e22; basic helix loop helix domain containing, class B, 5 , BHLHB5, TNRC20, trinucleotide repeat containing 20; class E basic helix-loop-helix protein 22; Beta3; bHLHe22; CAGL85; 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; BHLHB5; TNRC20

Gene ID [27319](#)

mRNA Refseq [NM_152414](#)

Protein Refseq [NP_689627](#)

MIM [613483](#)

UniProt ID [Q8NFJ8](#)

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