Recombinant Human CECR2, GST-tagged

Cat. No. CECR2-161H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CECR2 bromodomain (424-538 aa) fused to a GST tag at the N-terminus
Species	Human
Source	E.coli
ProteinLength	424-538 a.a.
Description	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. Cat eye syndrome critical region protein 2 (CECR2) is a transcription factor that forms a heterodimeric complex with the ATP-dependent chromatin remodeler SNF2L forming the CECR2-containing-remodeling factor (CERF). The CERF complex plays a critical role in neurulation. More recently, the bromodomain of CECR2 was shown to have strong γ-H2AX inhibition activity suggesting that CECR2 may play a role in DNA damage response.
Form	Liquid. 50 mM Tris, pH 8.0, containing 150 mM sodium chloride and 20% glycerol.

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Molecular Mass	40.6 kDa (424-538 aa + NT GST Tag)
Purity	≥95%
Storage	Store at -80°C. Avoid repeated freeze and thaw cycles. Stable for 1 year.

GENE INFORMATION

Gene Name	CECR2 cat eye syndrome chromosome region, candidate 2 [Homo sapiens]
Official Symbol	CECR2
Synonyms	CECR2; cat eye syndrome chromosome region, candidate 2; cat eye syndrome critical region protein 2; KIAA1740;
Gene ID	27443
mRNA Refseq	NM_031413
Protein Refseq	NP_113601
MIM	607576
UniProt ID	Q9BXF3
Chromosome Location	22q11.2
Function	protein binding;

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