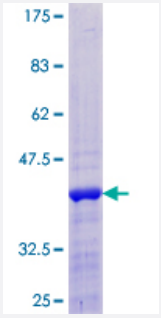
Full-Length

CREBL2 (Human) Recombinant Protein (P01)

Catalog # H00001389-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CREBL2 full-length ORF (NP_001301.1, 1 a.a. - 120 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDDSKVVGGKVKKPGKRGRKPAKIDLKAKLERSRQSARECRARKKLRYQYLEELVSSRERAICA LREELEMYKQWCMAMDQGKIPSEIKALLTGEEQNKSQQNSSRHTKAGKTDANSNSW
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	40.2
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CREBL2

Entrez GeneID	1389
GeneBank Accession#	NM_001310.2
Protein Accession#	NP_001301.1
Gene Name	CREBL2
Gene Alias	MGC117311, MGC138362
Gene Description	cAMP responsive element binding protein-like 2
Omim ID	603476
Gene Ontology	Hyperlink
Gene Summary	cAMP response element (CRE)-binding protein-like-2 (CREBL2) was identified in a search to find genes in a commonly deleted region on chromosome 12p13 flanked by ETV6 and CDKN1B genes, frequently associated with hematopoietic malignancies, as well as breast, non-small-cell lung and ovarian cancers. CREBL2 shares a 41% identity with CRE-binding protein (CREB) over a 48-base long region which encodes the bZip domain of CREB. The bZip domain consists of about 30 amino acids rich in basic residues involved in DNA binding, followed by a leucine zipper motif involved in protein dimerization. This suggests that CREBL2 encodes a protein with DNA binding capabilities. The occurance of CREBL2 deletion in malignancy suggests that CREBL2 may act as a tumor suppressor gene. [provided by RefSeq
Other Designations	-

Disease

- Asthma