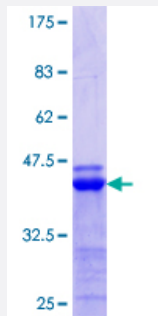


CREBL1 (Human) Recombinant Protein (Q01)

Catalog # H00001388-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CREBL1 partial ORF (NP_004372.3, 2 a.a. - 88 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AELMLLSEIADPTRFFTDNLLSPEDWGLQNSTLYSGLDEVAEEQTQLFRCPEQDVPFDGSSLDV GMDVSPSEPPWELLPIFPDLQVK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.31
Interspecies Antigen Sequence	Mouse (89); Rat (89)
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 — ATF6B

Entrez GeneID [1388](#)

GeneBank Accession# [NM_004381](#)

Protein Accession# [NP_004372.3](#)

Gene Name ATF6B

Gene Alias CREB-RP, CREBL1, FLJ10066, G13

Gene Description activating transcription factor 6 beta

Omim ID [600984](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a transcription factor in the unfolded protein response (UPR) pathway during ER stress. Either as a homodimer or as a heterodimer with ATF6-alpha, the encoded protein binds to the ER stress response element, interacting with nuclear transcription factor Y to activate UPR target genes. The protein is normally found in the membrane of the endoplasmic reticulum; however, under ER stress, the N-terminal cytoplasmic domain is cleaved from the rest of the protein and translocates to the nucleus. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations Creb-related protein|OTTHUMP00000029433|cAMP responsive element binding protein-like 1|cy clic AMP-dependent transcription factor ATF-6 beta|protein G13

Disease

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- [Diabetes Mellitus](#)

- [Edema](#)
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- [Lupus Erythematosus](#)