

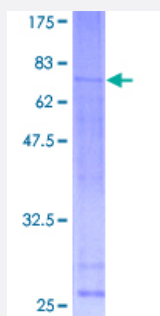
Full-Length

CREBL1 (Human) Recombinant Protein (P01)

Catalog # H00001388-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CREBL1 full-length ORF (AAH08394.1, 1 a.a. - 318 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAELMLLSEIADPTRFFTDNLLSPEDWGLQNSTLYSGLDEVAEEQTQLFRCPEQDVPFDGSSLD
VGMDVSPSEPPWELLPIFPDLQVKSEPSSPCSSSSLSSESSLSTEPSSSEALGVGEVLHVKTES
LAPPLCLLGDDPTSSFETVQINVPTSDSSDVQTKIEPVSPCSSVNSEASLLSADSSSQAFIGEE
VLEVKTESLSPSGCLLWDVPAPSLGAVQISMGPSLDGSSGKALPTRKPPLQPKPVVLTTPMPS
RAVSPSTTVLLQSLVQPPPGTEEGEKGRAWWLTPVIPALWEAEAGESPEVRSLRPAWPTW

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.61

Interspecies Antigen Sequence

Mouse (83); Rat (83)

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#**[BC008394.1](#)**Protein Accession#**[AAH08394.1](#)**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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