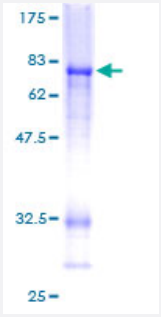
Full-Length

CTBP2 (Human) Recombinant Protein (P01)

Catalog # H00001488-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CTBP2 full-length ORF (AAH02486, 1 a.a. - 445 a.a.) recombinant protein with GST-tag at N -terminal.
Sequence	MALVDKHKVKRQRLDRICEGIRPQIMNGPLHPRPLVALLDGRDCTVEMPILKDLATVAFCDAQST QEIHEKVLNEAVGAMMYHTITLTREDLEKFKALRVIVRIGSGYDNVDIKAAGELGIAVCNIPSAAVEE TADSTICHILNLYRRNTWLYQALREGTRVQSVEQIREVASGAARIRGETLGLIGFGRTGQAVAVRAK AFGFSVIFYDPYLQDGIERSLGVQRVYTLQDLLYQSDCVSLHCNLNEHNHHLINDFTIKQMRQGAFL VNAARGGLVDEKALAQALKEGRIRGAALDVHESEPFSFAQGPLKDAPNLICTPHTAWYSEQASL EMREAAATEIRRAITGRIPESLRNCVNKEFFVTSAPWSVIDQQAIHPELNGATYRYPPGIVGVAPGG LPAAMEGIIPGGIPVTHNLPTVAHPSQAPSPNQPTKHGDNREHPNEQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	74.69
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 — CTBP2

Entrez GeneID	1488
GeneBank Accession#	BC002486
Protein Accession#	AAH02486
Gene Name	CTBP2
Gene Alias	-
Gene Description	C-terminal binding protein 2
Omim ID	602619
Gene Ontology	Hyperlink
Gene Summary	This gene produces alternative transcripts encoding two distinct proteins. One protein is a transcri ptional repressor, while the other isoform is a major component of specialized synapses known a s synaptic ribbons. Both proteins contain a NAD+ binding domain similar to NAD+-dependent 2-h ydroxyacid dehydrogenases. A portion of the 3' untranslated region was used to map this gene to chromosome 21q21.3; however, it was noted that similar loci elsewhere in the genome are likely. Blast analysis shows that this gene is present on chromosome 10. [provided by RefSeq
Other Designations	OTTHUMP00000020699|OTTHUMP00000020701|ribeye

Pathway

- Chronic myeloid leukemia

- Notch signaling pathway
- Pathways in cancer
- Wnt signaling pathway

Disease

- Alzheimer Disease
- Celiac Disease
- Disease Progression
- Genetic Predisposition to Disease
- Neoplasm Recurrence
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Tobacco Use Disorder