Recombinant Human PPP2R2B Protein, GST-tagged

Cat. No. PPP2R2B-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human PPP2R2B full-length ORF (AAH31790, 1 a.a. - 443 a.a.) recombinant protein with GST-tag at N-terminal was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	The product of this gene belongs to the phosphatase 2 regulatory subunit B family. Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes a beta isoform of the regulatory subunit B55 subfamily. Defects in this gene cause autosomal dominant spinocerebellar ataxia 12 (SCA12), a disease caused by degeneration of the cerebellum, sometimes involving the brainstem and spinal cord, and in resulting in poor coordination of speech and body movements. Multiple alternatively spliced variants, which encode different isoforms, have been identified for this gene. The 5' UTR of some of these variants includes a CAG trinucleotide repeat sequence (7-28 copies) that can be expanded to 66-78 copies in cases of SCA12.
Molecular Mass	74.25 kDa

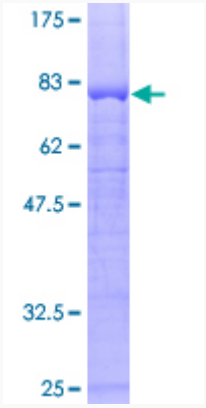
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AA Sequence	MEEDIDTRKINNSFLRDHSYATEADIISTVEFNHTGELLATGDKGGRVVIFQREQESK NQVHRRGEYNVYSTFQSHEPEFDYLKSLEIEEKINKIRWLPQQNAAYFLLSTNDKTV KLWKVSERDKRPEGYNLKDEEGRLRDPATITTLRVPVLRPMDLMVEATPRRVFANA HTYHINSISVNSDYETYMSADDLRINLWNFEITNQSFNIVDIKPANMEELTEVITAAEF HPHHCNTFVYSSSKGTIRLCDMRASALCDRHTKFFEEPEDPSNRSFFSEIISSISDVK FSHSGRYIMTRDYLTVKVWDLNMENRPIETYQVHDYLRSKLCSLYENDCIFDKFECV WNGSDSVIMTGSYNNFFRMFDRNTKRDVTLEASRENSKPRAILKPRKVCVGGKRRK DEISVDSLDFSKKILHTAWHPSENIIAVAATNNLYIFQDKVN
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	PPP2R2B protein phosphatase 2 regulatory subunit Bbeta [Homo sapiens (human)]
Official Symbol	PPP2R2B
Synonyms	PPP2R2B; protein phosphatase 2 regulatory subunit Bbeta; PR52B; SCA12; B55BETA; PR55BETA; PP2ABBETA; PP2APR55B; PR2ABBETA; PR55-BETA; PP2AB55BETA; PR2AB55BETA; PP2APR55BETA; PR2APR55BETA; serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform; PP2A subunit B isoform B55-beta; PP2A subunit B isoform PR55-beta; PP2A subunit B isoform R2-beta; PP2A, subunit B, B-beta isoform; protein phosphatase 2 (formerly

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	2A), regulatory subunit B (PR 52), beta isoform; protein phosphatase 2 (formerly 2A), regulatory subunit B, beta isoform; protein phosphatase 2, regulatory subunit B, beta; serine/threonine protein phosphatase 2A, 55 kDa regulatory subunit B, beta isoform; serine/threonine protein phosphatase 2A, neuronal isoform; EC 3.1.3.16
Gene ID	5521
mRNA Refseq	NM_181674
Protein Refseq	NP_858060
MIM	604325
UniProt ID	Q00005
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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