

Recombinant Full Length Human COLQ Protein, GST-tagged

Cat. No. COLQ-2212HF Lot. No. (See product label)

SPECIFICATION

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|-------------------------|--|
| Product Overview | Human COLQ full-length ORF (BAG54671.1, 1 a.a. - 445 a.a.) recombinant protein with GST-tag at N-terminal. |
| Species | Human |
| Source | In Vitro Cell Free System |
| Protein Length | 445 amino acids |
| Description | This gene encodes the subunit of a collagen-like molecule associated with acetylcholinesterase in skeletal muscle. Each molecule is composed of three identical subunits. Each subunit contains a proline-rich attachment domain (PRAD) that binds an acetylcholinesterase tetramer to anchor the catalytic subunit of the enzyme to the basal lamina. Mutations in this gene are associated with endplate acetylcholinesterase deficiency. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] |
| Molecular Mass | 72.9 kDa |
| AA Sequence | MTGSSFSLAHLIIISGLLCYSAGCLALPSLDQKKRGGHKACCLLTPPPPPLFPPPPFR GGRSPLLSPDMKNLMLELETSQSPCMQGSLSGSPGPPGPQGPPLPGKTGPKGEK GELGRPGRKGRPGPPGVPGMPIGWPGPEGPRGEKGDLMGLPGSRGPMGS KGYPGSRGEKGSERGEKDLGPKGEKGFPGFPGMLGQKGEKMGPKGEPGIAGHRGP TGRPGRKRGKQGQKGDGVMGPPGKPGPSGQPGRPGPPGPPAGQLIMGPKGER GFPGPPGRCLCGPTMNVNPNPSYGESVYGPSSPRVPVIFVNNQEELERLNTQNAIA |

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FRRDQRSLYFKDSLGLWLPQLTPFYPVDYTADQHGTCDGGLLQPGEECDDGNSDV
 GDDCIRCHRAYCGDGHREHGVEDCDGSDFGYLTCELYLPGSYGDLQCTQYCYIDS
 TPCRYFT

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

Notes
 Best use within three months from the date of receipt of this protein.

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
 COLQ collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase [Homo sapiens]


Official Symbol
 COLQ

Synonyms
 COLQ; collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase; acetylcholinesterase collagenic tail peptide; acetylcholinesterase associated collagen; AChE Q subunit; collagenic tail of endplate acetylcholinesterase; EAD; single strand of homotrimeric collagen like tail subunit of asymmetric acetylcholinesterase; acetylcholinesterase-associated collagen; single strand of homotrimeric collagen-like tail subunit of asymmetric acetylcholinesterase; FLJ55041

Gene ID
 8292

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|----------------|-----------|
| mRNA Refseq | NM_005677 |
| Protein Refseq | NP_005668 |
| MIM | 603033 |
| UniProt ID | Q9Y215 |

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