

Recombinant Human COLQ Protein, GST-tagged

Cat. No. COLQ-1672H **Lot. No.** (See product label)

SPECIFICATION

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	Wheat Germ
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	MTGSSFSLAHLLIISGLLCYSAGCLALPSLDQKKRGGHKACCLLTTPPPPLFPPPPFR GGRSPLLSPDMKNLMLELETSQSPCMQGSLSGSPGPPGPQGPPLPGKTGPKGEK GELGRPGRKGRPGPPGVPGMPGPIGWPGPEGPRGEKGDLMGMLPGSRGPMGS KGYPGSRGEKGSERGEKDLGPKGEKGFPFGPMLGQKGEMGPKGEPGIAGHRGP TGRPGKRKGKQGQKGDSGVMGPPGKPGPSGQPGRPGP GPPAGQLIMGPKGER GFP GPPGRCLCGPTMNVNNPSYGESVYGPSRPVPVIFVNNQEELERLNTQNAIA FRRDQRSLYFKDSLGLWLPQLTPFYPVDYTADQHGTCDGLLQPGEECDGNSDV

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	GDDCIRCHRAYCGDGHREHGVEDCDGSDFGYLTCETYLPGSYGDLQCTQYCYIDS 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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