

Recombinant Full Length Human COLQ Protein, GST-tagged

Cat. No. COLQ-2212HF **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	In Vitro Cell Free System
ProteinLength	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	MTGSSFSLAHLLIISGLLCYSAGCLALPSLDQKKRGGHKACCLLTTPPPPLFPPPPFFR GGRSPLLSPDMKNLMLELETSQSPCMQGSLSGPPGPQGPPGLPGKTGPKGEK GELGRPGRKGRPGPPGVPGMPGPIGWPGPEGPRGEKGDLMGMLPGSRGPMGS KGYPGSRGEKGSERGEKGDLPKGEKGFPFGPMLGQKGEMGPKGEPIAGHRGP TGRPGKRGKQGQKGDGVMGPPGKPGPSGQPGRPGPPGPPAGQLIMGPKGER GFPGPPGRCLCGPTMNVNPNPSYGESVYGPSSPRVPVIFVNNQEELERLNTQNAIA

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FRRDQRSLYFKDSLGLWLPQLTPFYVPDYADQHGTCDGLLQPGEECDDGNSDV
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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