

# Recombinant Full Length Human CCDC22 Protein, GST-tagged

**Cat. No.** CCDC22-2848HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CCDC22 full-length ORF (ABW03374.1, 1 a.a. - 627 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 627 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | This gene encodes a protein containing a coiled-coil domain. The encoded protein functions in the regulation of NF-κB (nuclear factor kappa-light-chain-enhancer of activated B cells) by interacting with COMMD (copper metabolism Murr1 domain-containing) proteins. The mouse orthologous protein has been shown to bind copines, which are calcium-dependent, membrane-binding proteins that may function in calcium signaling. This human gene has been identified as a novel candidate gene for syndromic X-linked intellectual disability. [provided by RefSeq, Aug 2013] |
| <b>Molecular Mass</b>   | 95.37 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MEEADRILIHSLRQAGTAVPPDVQTLRAFTTELVVEAVVRCLRVINPAVGSGLSPLLP<br>LAMSARFRLAMSLTQACMDLGYPLELGYQNFLYPSEPDRLDLLFLAERLPTDASED<br>ADQPAGDSAILLRAIGSQIRDQLALPWVPPHLRTPKLQHLQGSALQKPFHASRLVVP<br>ELSSRGEPREFQASPLLLPVPTQVPQPVGRVASLLEHHALQLCQQTGRDRPGDED<br>WVHRTSRLPPQEDTRAQRQRLQKQLTEHLRQSWGLLGAPIQARDLGELLQAWGAG<br>AKTGAPKGSRFTHSEKFTFHLEPQAQATQVSDVPATSRRPEQVTWAAQEQUELES                                                                                                                                                                                                             |

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REQLEGVNRSIEEVEADMKTLGVSVQAESECRHSLSTAEREQALRLKSRAVELLP  
DGTANLAKLQLVVENSAQRVIHLAGQWEKHRVPLLAEYRHLRKLQDCRELESSRRL  
AEIQELHQSVRAAAEEARRKEEVYKQLMSELETLPDVSRLAYTQRILEIVGNIRKQK  
EETKILSDTKELQKEINSLSGKLDRTFAVTDLVFKDAKKDDAVRKAYKYLAALHENC  
SQLIQTIEDTGTIMREVRDLEEQIETELGKKTLNLEKIREDYRALRQENAGLLGRVRE  
A

**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**

CCDC22 coiled-coil domain containing 22 [ Homo sapiens ]

**Official Symbol**

CCDC22

**Synonyms**

CCDC22; coiled-coil domain containing 22; chromosome X open reading frame 37, CXorf37; coiled-coil domain-containing protein 22; JM1; CXorf37;

**Gene ID**

28952

**mRNA Refseq**

NM\_014008

**Protein Refseq**

NP\_054727

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| MIM | 300859 |
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| UniProt ID | O60826 |
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