

# Recombinant Full Length Human TACO1 Protein, GST-tagged

**Cat. No.** TACO1-3801HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CCDC44 full-length ORF ( NP_057444.2, 1 a.a. - 297 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>    | 297 amino acids                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | This gene encodes a mitochondrial protein that function as a translational activator of mitochondrially-encoded cytochrome c oxidase 1. Mutations in this gene are associated with Leigh syndrome.[provided by RefSeq, Mar 2010]                                                                                               |
| <b>Molecular Mass</b>   | 58.9 kDa                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MSAWAAASLSRAAARCLLARGPGVRAAPPRDPRPSHPEPRGCGAAPGRTLHFTAA<br>VPAGHNKWSKVRHIKGPKDVERSRIFSKLCLNIRLAVKEGGPNPEHNSNLANILEVC<br>RSKHMPKSTIETALKMEKSKDITYLLYEGRGPGGSSLLIEALSNSSHKCQADIRHILNK<br>NGGVMAGGARHSFDKKGIVIVEVEDREKKAVNLERALEMAIEAGAEDVKETEDEEE<br>RNVFKFICDASSLHQVRKKLDSLGLCSVSCALEFIPNSKVQLAEPDLEQAAHLIQALS<br>NHEDVIHVYDNIE |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production                                                                                                                                                                                                                               |

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### Protein Array

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.   |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | TACO1 translational activator of cytochrome c oxidase I [ Homo sapiens (human) ]                                                                                                                                                                                |
| <b>Official Symbol</b> | TACO1                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>        | CCDC44; TACO1; translational activator of cytochrome c oxidase I; translational activator of cytochrome c oxidase 1; clone HQ0477 PRO0477p; coiled-coil domain-containing protein 44; translational activator of mitochondrially encoded cytochrome c oxidase I |
| <b>Gene ID</b>         | 51204                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_016360                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>  | NP_057444                                                                                                                                                                                                                                                       |
| <b>MIM</b>             | 612958                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>      | Q9BSH4                                                                                                                                                                                                                                                          |

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