

## Recombinant Human CNOT7 Protein, GST-tagged

**Cat. No.** CNOT7-1587H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CNOT7 full-length ORF ( AAH60852, 1 a.a. - 285 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | The protein encoded by this gene binds to an anti-proliferative protein, B-cell translocation protein 1, which negatively regulates cell proliferation. Binding of the two proteins, which is driven by phosphorylation of the anti-proliferative protein, causes signaling events in cell division that lead to changes in cell proliferation associated with cell-cell contact. The encoded protein downregulates the innate immune response and therefore provides a therapeutic target for enhancing its antimicrobial activity against foreign agents. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1 and X. [provided by RefSeq, Apr 2016] |
| <b>Molecular Mass</b>   | 57.09 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MPAATVDHSQRICEVWACNLDEEMKKIRQVIRKYNVAMDTEFPGVVARPIGEFRS<br>NADYQYQLLR CNVDLLKIIQLGLTFMNEQGEYPPGTSTWQFNFKFNLTEDMYAQDSI<br>ELLTTSGIQFKKHEEEGIETQYFAELLMTSGVVLCEGVKWL SFHSGYDFGYLIKILTNS<br>NLPEEELDFFEILRLFFPVIYDV KYLMKSCNLKGGLQEVAEQLELERIGPQHQAQSD<br>SLLTGMAFFKMREMFFEDHIDDAKYCGHLYGLGSGSSYVQNGTGNAYEEEEANKQS                                                                                                                                                                                                                                                                                                                                                                                                                        |

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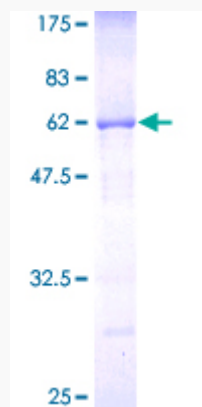
 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>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.                                                                                                                                                                                  |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>        | CNOT7 CCR4-NOT transcription complex, subunit 7 [ Homo sapiens ]                                                                                                                                                                                          |
| <b>Official Symbol</b>  | CNOT7                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>         | CNOT7; CCR4-NOT transcription complex, subunit 7; CAF1; CCR4-NOT transcription complex subunit 7; BTG1 binding factor 1; CAF-1; BTG1-binding factor 1; CCR4-associated factor 1; carbon catabolite repressor protein (CCR4)-associative factor 1; hCAF-1; |
| <b>Gene ID</b>          | 29883                                                                                                                                                                                                                                                     |
| <b>mRNA Refseq</b>      | NM_013354                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>   | NP_037486                                                                                                                                                                                                                                                 |
| <b>MIM</b>              | 604913                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>       | Q9UIV1                                                                                                                                                                                                                                                    |

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**Quality Control****Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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