

# Recombinant Full Length Human C8orf37 Protein, GST-tagged

**Cat. No.** C8orf37-2640HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human C8orf37 full-length ORF (NP_808880.1, 1 a.a. - 207 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>    | 207 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | This gene encodes a ubiquitously expressed protein of unknown function. It has high levels of mRNA expression in the brain, heart, and retina and the protein co-localizes with polyglutamylated tubulin at the base of the primary cilium in human retinal pigment epithelial cells. Mutations in this gene have been associated with autosomal recessive cone-rod dystrophy (arCRD) and retinitis pigmentosa (arRP). [provided by RefSeq, Mar 2012] |
| <b>Molecular Mass</b>   | 49.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MAEDLDELLDEVESKFCTPDLLRRGMVEQPKGCGGGTHSSDRNQAKAKETLRSTE<br>TFKKEDDLDSLNEILEEPNLDKKPSKLKSKSSGNTSVRASIEGLGKSCSPVYLGGSSI<br>PCGIGTNISWRACDHLRCIACDFLVVSYDDYMWDKSCDYLFRRNNMPEFHKLKAKLI<br>KKKGTRAYACQCSWRTIEEVTDLQTDHQLRWVCGKH                                                                                                                                                                                                                            |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)                                                                                                                                                                                                                                                                                                                                                                             |

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         | 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>        | C8orf37 chromosome 8 open reading frame 37 [ Homo sapiens (human) ]                                                                                                               |
| <b>Official Symbol</b>  | C8orf37                                                                                                                                                                           |
| <b>Synonyms</b>         | C8orf37; chromosome 8 open reading frame 37; RP64; BBS21; CORD16; smalltalk; protein C8orf37; Chromosome 8 Open Reading Frame 37; Smalltalk; Protein C8orf37; CORD16; BBS21; RP64 |
| <b>Gene ID</b>          | 157657                                                                                                                                                                            |
| <b>mRNA Refseq</b>      | NM_177965                                                                                                                                                                         |
| <b>Protein Refseq</b>   | NP_808880                                                                                                                                                                         |
| <b>MIM</b>              | 614477                                                                                                                                                                            |
| <b>UniProt ID</b>       | Q96NL8                                                                                                                                                                            |

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