

Full-Length

C9orf72 (Human) Recombinant Protein (P01)

Catalog # H00203228-P01

Size 25 ug, 10 ug

Applications

Specification

Product Description

Human C9orf72 full-length ORF (NP_060795.1, 1 a.a. - 481 a.a.) recombinant protein with GST tag at N-terminal.

Sequence

MSTLCPPPPSPAVAKTEIALSGKSPLLAATFAYWDNILGPRVRHWAPKTEQVLLSDGEITFLANHTL
NGEILRNAESGAIDVKFFVLSEKGVIMSLIFDGNWNGDRSTYGLSILPQTELSFYPLHRVCVDRLT
HIIKGRIMHKERQENVQKIILEGTERMEDQGQSIIPLMTGEVIPVMELLSSMKSHSVPEEIDIADTV
LNDDDIGDSCHEGFLNNAISSHLQTCGCSVVVGSSAEKVNKIVRTLCLFLTPAERKCSRLCEAES
SFKYESGLFVQGLLKDSTGSFVLPFRQVMYAPYPTTHIDVDVNTVKQMPPCHEHYNQRRYMRSE
LTAFWRATSEEDMAQDTIYTDESFTPDNLNIFQDVLHRDTLVKAFLDQVFQLKPGLSLRSTFLAQFL
LVLHRKALTLIKIEDDTQKGKKPFKSLRNLKIDLDLTAEGDLNIIMALAEKIKPGLHSFIFGRPFYTSV
QERDVLMTF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

80.7

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — C9orf72

Entrez GeneID[203228](#)**GeneBank Accession#**[NM_018325.1](#)**Protein Accession#**[NP_060795.1](#)**Gene Name**

C9orf72

Gene Alias

MGC23980, RP11-27J8.2

Gene Description

chromosome 9 open reading frame 72

Gene Ontology[Hyperlink](#)**Other Designations**

OTTHUMP00000021170|OTTHUMP00000021171|OTTHUMP00000021172|OTTHUMP00000045179|hypothetical protein LOC203228

Publication Reference

- [New Antibody-Free Mass Spectrometry-Based Quantification Reveals That C9ORF72 Long Protein Isoform Is Reduced in the Frontal Cortex of Hexanucleotide-Repeat Expansion Carriers.](#)

Viodé A, Fournier C, Camuzat A, Fenaille F; NeuroCEB Brain Bank, Latouche M, Elahi F, Ber IL, Junot C, Lamari F, Anquetil V, Becher F.

Frontiers in Neuroscience 2018 Aug; 12:589.

Application: Func, Human, Human brains

- [A complex of C9ORF72 and p62 uses arginine methylation to eliminate stress granules by autophagy.](#)

Chitiprolu M, Jagow C, Tremblay V, Bondy-Chorney E, Paris G, Savard A, Palidwor G, Barry FA, Zinman L, Keith J, Rogaeva E, Robertson J, Lavallée-Adam M, Woulfe J, Couture JF, Côté J, Gibbings D.

Nature Communications 2018 Jul; 9(1):2794.

Application: PI, WB-Re, Recombinant protein

Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)