



LD Biopharma, Inc.
9924 Mesa Rim Road Suite B
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Tel: 858-876-8266
<http://www.ldbiopharma.com>

- PRODUCT DATA SHEET -

Name of Product: Recombinant Human C9ORF9 Protein
Catalog Number: hRP-1422
Manufacturer: LD Biopharma, Inc.

Introduction

Human C9ORF9 is an uncharacterized protein with 222aa. Recent genome-wide proteomic analysis study indicated that C9ORF9 protein normally restricted its expression in ovary and testis tissue. Monitoring C9ORF9 protein expression in various cancer tissues may provides a diagnostic value in clinical application.

Full-length human C9ORF9 cDNA (221aa, which derived from BC012940) was constructed with codon optimization and expressed with a human Alpha-Fetal Protein N-terminal domain (AFPn)-His-TEV cleavage site (219aa) fusion at its N-terminal. This protein is expressed in E.coli as inclusion bodies.. The final product was refolded using our unique “temperature shift inclusion body refolding” technology and chromatographically purified.

Gene Symbol: C9ORF9
Accession Number: NP_061829.3
Species: Human
Size: 40 µg / Vial
Composition: 0.4 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, Sucrose and DTT.
Storage: In Liquid. Keep at -80°C for long term storage. Product is stable at 4 °C for at least 30 days.

Key References

Min-sik Kim, et al., *A DRAFT MAP OF THE HUMAN PROTEOME*. NATURE; VOL 509, 575-588 (2013).

Applications

1. May be used for in vitro human C9ORF mediated germ line cell differentiation regulation study by intracellular delivery of this protein with “ProFectin” reagents.



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2. May be used for mapping protein-protein interaction.
3. May be used as potential tumor diagnostic biomarker.
4. As antigen for specific antibody production.

Quality Control

Purity: > 90% by SDS-PAGE.

Recombinant Protein Sequence

MTLHRNEYGIASILDSYQCTAEISLADLATIFFAQFVQEATYKEVSKMVKDALTAIEKPTGDEQ
SSGCLLENQLPAFLEELCHEKEILEKYGHSDCCSQSEEGRHNCFLAHKKPTPASIPLFQVPEPVT
SCEAYEEDRETFMNKFIYEIARRHPFLYAPTILLWAARYDKIIPSCCKAENAVECFQTKAATVT
KELRESSGGSHHHHHHGSENLYFQGEFNEVKESLRSIEQKYKLFQQQQLTFTAALEHCRENAHD
KIRPISSIGQVQSYMESHYCNSSDTRRVLLMFLDICSELNKLQHF~~EA~~VHSGTPVTNNLLEKCKT
LVSQSNLSSLRAKYPHDVVNHLSCEARNHYGGVVSLIPLILDLMKEWIAHSEKLPRKVLQHV
SEPQAHQESTRGAARPAQAIGTQPRATKHKCRQLTKASLKPRGCSKPPWRPPGGKL