



Recombinant Human FGD3 Protein Product Manual

1. Product Basic Information

Product No.: REP06881

Protein Name: Fgd1 Family, Member Faciogenital Dysplasia Fyve, Rhogef And Ph Domain Containing Zinc Finger Fyve Domain-Containing Protein Fyve, Rhogef And Ph Domain-Containing Protein 3 (FGD3)

Aliases: FGD1 family, member faciogenital dysplasia FYVE, RhoGEF and PH domain containing zinc finger FYVE domain-containing protein FYVE, RhoGEF and PH domain-containing protein 3

UniProt ID: Q5JSP0

UniProt Link: <https://www.uniprot.org/uniprotkb/Q5JSP0/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-725aa)

Molecular Weight: 86.3 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-725aa)

MESGRGSSTPPGPAAALGMPDTGPGSSSLGKLQALPVGPRAHCGDPVSLAAAGDG
SPDIGPTGELSGSLKIPNRDSGIDSPSSSVAGENFPCEEGLAAGPSPTVLGAHAEMA
LDSQVPKVTPQEEADSDVGEEPDSNTQKADKDAGLAQHSGPQKLLHIAQELLHT
EETVVKRLHLLDQVFCTRLTDAGIPPEVIMGIFSNISSIHRFHGQFLLPELKTRITEEW
DTNPRLGDILQKLAPFLKMYGEYVKNFDRVGLVSTWTQRSPLFKDVVHSIQKQEV
CGNLTLQHMHMLEPVQVRVPRYELLLKDYLRKLPQDAPDRKDAERSLELISTAANHSN
AAIRKVEKMHKLLEVYEQLGGEEDIVNPANELIKEGQIQKLSAKNGTPQDRHLFLFN
SMILYCVPKRLRMGQKFSVREKMDISGLQVQDIVKPNTAHTFIITGRKRSLELQTRTE
EEKKEWIIQATIEKHQKQNSFTKAFGGAFSQDEDPSPDMPITSTSPVEPVVTE
GSSGAAGLEPRKLSSKTRRDKEKQSKSCGETFNSITKRRHHCKLCGAVICGKCSE
FKAENSRQSRVCRDCFLTQPVAPESTEKTPTADPQPSLLCGPLRLSESGETWSEV
WAAIPMSDPQVLHLQGGSQDGRPLRPTIPLPSCKLSVPDPEERLD SGHVWKLQWAK
QSWYLSASSAELQQQWLETLSTAAHGD TAQDSPGALQLQVPMGAAAP



3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human FGD3 full length protein (1-725aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. FGD3, also known as FGD1 family, member faciogenital dysplasia FYVE, RhoGEF and PH domain containing zinc finger FYVE domain-containing protein FYVE, RhoGEF and PH domain-containing protein 3, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.