

Datasheet for ABIN7547702
FGD4 Protein (AA 1-766) (His tag)



[Go to Product page](#)

Overview

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| Quantity: | 1 mg |
| Target: | FGD4 |
| Protein Characteristics: | AA 1-766 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This FGD4 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS), Western Blotting (WB) |

Product Details

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| Purpose: | Custom-made recombinat FGD4 Protein expressed in mammalian cells. |
| Sequence: | <p>MEEIKPASAS CVSKEKPSKV SDLISRFEGG SSLSNYSCLK KESAVNLNAP RTPGRHGLTT</p> <p>TPQQKLLSQH LPQRQGNDDT KTQGAQTCVA NGVMAAQNM ECEEEKAATL SSDTSIQASE</p> <p>PLLDTHVNG ERDETATAPA SPTTDSCDGN ASDSSYRTPG IGPVLPLEER GAETETKVQE</p> <p>RENGESPLEL EQLDQHHEMK ETNEQKLHKI ANELLTERA YVNRDLLDQ VFYCKLLEEA</p> <p>NRGSFPAEMV NKIFSNISSI NAFHSKFLP ELEKRMQWE TTPRIGDILQ KLAPFLKMYG</p> <p>EYVKGFDNAM ELVKNMTERI PQFKSVVEEI QKQKICGSLT LQHHMLEPVQ RIPRYEMLLK</p> <p>DYLRKLPPDS LDWDAKKSLE EIISTAASHS NSAIRKMENL KKLLEIYEML GEEEDIVNPS</p> <p>NELIKEGQIL KLAARNTSAQ ERYLFLFNNM LLYCVPKFSL VGSKFTVRTR VGIDGMKIVE</p> <p>TQNEEYPHTF QVSGKERTLE LQASSAQDKE EWIKAQETI DAFHQRHETF RNAIAKDNDI</p> <p>HSEVSTAELG KRAPRWIRDN EVTMCMCKKE PFNALTRRRH HCRACGYVVC WKCSYKAQL</p> <p>EYDGGKLSKV CKDCYQIISG FTDSEKKRK GILEIESAEV SGNSVCSFL QYMEKSKPWQ</p> |

Product Details

KAWCVIPKQD PLVLYMYGAP QDVRAQATIP LLGYVVDEMP RSADLPHSFK LTQSKSVHSF
AADSEELKQK WLKVILLAVT GETPGGPNEH PATLDDHPEP KKKSEC **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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| Characteristics: | <p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p> |
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| Purity: | > 90 % as determined by Bis-Tris Page, Western Blot |
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| Grade: | custom-made |
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Target Details

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| Target: | FGD4 |
| Alternative Name: | FGD4 (FGD4 Products) |
| Background: | <p>FYVE, RhoGEF and PH domain-containing protein 4 (Actin filament-binding protein frabin) (FGD1-related F-actin-binding protein) (Zinc finger FYVE domain-containing protein 6),FUNCTION: Activates CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging bound GDP for free GTP. Plays a role in regulating the actin cytoskeleton and cell shape. Activates MAPK8 (By similarity). {ECO:0000250, ECO:0000269 PubMed:15133042}.</p> |
| Molecular Weight: | 86.6 kDa |
| UniProt: | Q96M96 |

Target Details

Pathways: [Neurotrophin Signaling Pathway](#)

Application Details

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| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Buffer: | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -80 °C |
| Storage Comment: | Store at -80°C. |
| Expiry Date: | 12 months |