

## Product datasheet for **TP305644**

### FGD2 (NM\_173558) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human FYVE, RhoGEF and PH domain containing 2 (FGD2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC205644 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MKGASEEKLASVSNLVTVFENSRTPEAAPRGHRLLEDVHHRPECRPPESPGRPREKTNVGEAVGSEPTVSR  
RYLNSLKNKLSSEAWRKSCQPVTLSGSGTQEPEKKIVQELLETEQAYVARLHLLDQVFFQELLKTARSSK  
AFPEDVVRVIFSNISSIYQFHSQFFLPELQRRLLDDWTANPRIGDVIQKLAPFLKMYSEYVKNFERAAELL  
ATWTDKSPLFQEVLTRIQSSEASGSLTLQHMMLEPVQRIPRYELLKEYIQKLPQAPDQADAQKALDMI  
FSAAQHSNAAITEMERLQDLWEVYQRLGLEDDIVDPSNTLLREGPVLKISFRRNDPMERYLFLFNNMLLY  
CVPRVIQVGAQFQVRTRIDVAGMKVRELMDAEFPHSFLVSGKQRTLELQARSQEEMISWMQAFQAAIDQI  
EKRNETFKAAAQGPEDIQEQELQSEELGLRAPQWVRDKMVTMCMRCQEPFNALTRRRHHCACGYVCA  
RCSDYRAELKYDDNRPNRVLHCYAFLTGNVLPKEDKRRGILEKGSSATPDQSLMCSFLQLIGDKWVK  
SGPRGWCVIPRDDPLVLYVYAAPQDMRAHTSIPLLLGYQVTVGPQGDPRVFQLQQSGQLYTFKAETEELKG  
RWWKAMERAASGWSPSWPNDGDLSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

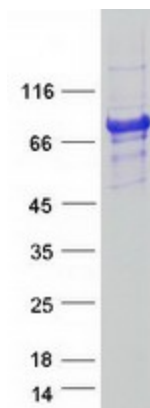
Tag:	C-Myc/DDK
Predicted MW:	74.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_775829</a>
<b>Locus ID:</b>	221472
<b>UniProt ID:</b>	<a href="#">Q7Z6J4</a>
<b>RefSeq Size:</b>	3045
<b>Cytogenetics:</b>	6p21.2
<b>RefSeq ORF:</b>	1965
<b>Synonyms:</b>	ZFYVE4
<b>Summary:</b>	The protein encoded by this gene belongs to a family of guanine nucleotide exchange factors (GEFs) which control cytoskeleton-dependent membrane rearrangements by activating the cell division cycle 42 (CDC42) protein. This gene is expressed in B lymphocytes, macrophages, and dendritic cells. The encoded protein may play a role in leukocyte signaling and vesicle trafficking in antigen-presenting cells in the immune system. [provided by RefSeq, Oct 2016]

### Product images:



Coomassie blue staining of purified FGD2 protein (Cat# TP305644). The protein was produced from HEK293T cells transfected with FGD2 cDNA clone (Cat# [RC205644]) using MegaTran 2.0 (Cat# [TT210002]).