

## Product datasheet for PH305644

### FGD2 (NM\_173558) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	FGD2 MS Standard C13 and N15-labeled recombinant protein (NP_775829)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205644
Predicted MW:	74.9 kDa
Protein Sequence:	>RC205644 protein sequence Red=Cloning site Green=Tags(s)

MKGASEEKLASVSNLVTVFENSRTPEAAPRGHRLLEDVHHRPECRPPESPGPREKTNVGEAVGSEPTVSR  
RYLNSLKNKLSSEAWRKSCQPVTLSGSGTQEPEKKIVQELLETEQAYVARLHLLDQVFFQELLKTARSSK  
AFPEDVVRVIFSNISSIYQFHSQFFPELQRRLLDWTANPRIGDVIQKLAPFLKMYSEYVKNFERAAELL  
ATWTDKSPLEFQEVLTIRIQSSEASGSLTLQHMLEPVQRIPRYELLLKEYIQKLPAPDQADAQKALDMI  
FSAAQHSNAAITEMERLQDLWEVYQRLGLEDDIVDPSNTLLREGPVLKISFRRNDPMERYLFLFNNMLLY  
CVPRVIQVGAQFQVRTRIDVAGMKVRELMDAEFPHSFLVSGKQRTLELQARSQEEMISWMQAFQAAIDQI  
EKRNETFKAAAQGPEDIQEQELQSEELGLRAPQWVRDKMVTMCMRCQEPFNALTRRRHHCACGYVCA  
RCSYRAELKYDDNRPNRVCLHCYAFLTGNVLEPEAKEDKRRGILEKGSSATPDQSLMCSFLQLIGDKWGK  
SGPRGWCVIPRDDPLVLYVYAAPQDMRAHTSIPLLLGYQVTVGPGDPRVFLQSSGQLYTFKAETEELKG  
RWWKAMERAASGWSPSPNDGDLSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_775829</a>
RefSeq Size:	3045

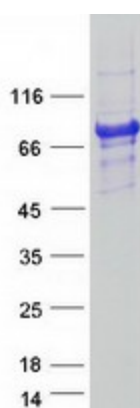


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RefSeq ORF:	1965
Synonyms:	ZFYVE4
Locus ID:	221472
UniProt ID:	<a href="#">Q7Z6J4</a>
Cytogenetics:	6p21.2

**Summary:** 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]).