

## Product datasheet for **RG208760**

### LRRFIP2 (NM\_017724) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LRRFIP2 (NM_017724) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LRRFIP2
Synonyms:	HUFI-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208760 representing NM_017724 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGACTCCTGCTTCTGGAAGGAAAAGAACACCTGTGAAAGACCGATTTTCTGCAGAAGATGAAGCTT  
TGAGTAACATTGCCAGAGAGGCAGAGGCAAGGCTGGCAGCAAACGGGCTGCCCGGCAGAAAGCAAGAGA  
TATACGCATGAGAGAAGTGAACGACAACAAAAGAGTTGGATGAAAAATCTGACAAACAGTATGCTGAA  
AATTATAACAAGACCTTCATCTCGAAATTCGCCTCAGCAACAACCCCTCTAAGTGGAAACTCATCCAGAC  
GAGGAAGTGGGGACACCAGCAGCTTAATAGATCCAGACACTTCATTAAGTGAATTGCGGGAATCTTTGTC  
TGAAGTGAAGAAAAATACAAGAAAGCCATGGTTTCCAATGCACAGTTAGACAATGAGAAGAACAATTTG  
ATCTACCAAGTAGACACACTCAAGGATGTTATTGAAGAGCAGGAGGAACAGATGGCAGAATTTTATAGAG  
AAAATGAAGAAAAATCAAAGGAGTTAGAAAAGGCAGAAACATATGTGTAGTGTGCTGCAGCATAAGATGGA  
AGAACTTAAAGAAGGCCTGCGGCAAGAGATGAGCTTATTGAGAAACATGGCTTAGTTATAATCCCCGAT  
GGCACTCCCAATGGTGATGTCAGTCATGAACAGTGGCTGGAGCCATCACTGTTGTGCTCAGGAAGCTG  
CTCAGGCTTTGGAGTCAGCAGGAGAAGGGCCATTAGATGTAAGGCTACGAAAACCTGCTGGAGAGAAGGA  
AGAACTACTGTACAGATTAGAAAACCTGAAGCTTCAGTTAGAGGAGGAACGACAGAAATGCTCCAGGAAT  
GATGGCACAGTGGGTGACCTGGCAGGACTGCAGAATGGCTCAGACTTGCAGTTTCATCGAAATGCAGAGAG  
ATGCCAATAGACAAATTAGCGAATACAAATTTAAGCTTTCAAAGCAGAACAGGATATAACTACCTTGGA  
GCAAAGTATTAGCCGGCTTGAGGGACAGGTTCTGAGATATAAACTGCTGCTGAGAATGCTGAGAAAGTT  
GAAGATGAATTGAAAGCAGAAAAACGGAAGCTACAACGAGAGTTACGAACAGCACTGGACAAGATTGAGG  
AGATGGAGATGACCAACAGCCACCTGGCCAAGCGGCTGGAGAAGATGAAGGCCAATAGGACAGCACTTCT  
GGCCAGCAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG208760 representing NM\_017724  
 Red=Cloning site Green=Tags(s)

MGTPASGRKRTPVKDRFSAEDEALSNIAREAEARLAAKRAARAEARDIRMRELERQQKELDEKSDKQYAE  
 NYTRPSSRNSASATTPLSGNSSRRGSGDTSSLIDPDTSLSELRESLSEVEEKYKKAMVSNQQLDNEKNNL  
 IYQVDTLKDVIIEEQEEQMAEFYRENEEKSKELERQKHMCSVLQHKMEELKEGLRQRDELIEKHGLVIIPD  
 GTPNGDVSHEPVAGAITVVSQEAQVLESAGEGPLDVRLRKLAGEKEELLSQLRKLKLEEEERQKCSRN  
 DGTVGDLAGLQNGSDLQFIEMQRDANRQISEYKFKLSKAEQDITLLEQSI SRLEGQVLRKYTAAENAKEY  
 EDELKAEKRKLQRELRTALDKIEEMEMTNSHLAKRLEKMKANRTALLAQQ

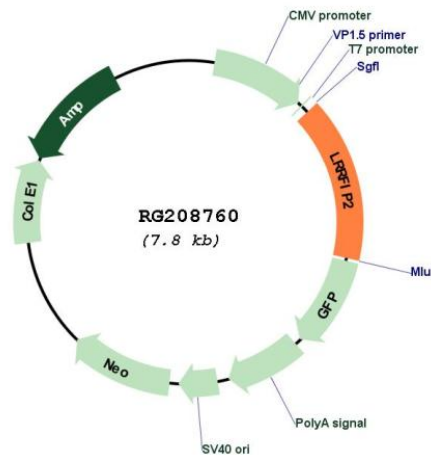
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_017724

<b>ORF Size:</b>	1200 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_017724.2</a> , <a href="#">NP_060194.1</a>
<b>RefSeq Size:</b>	2863 bp
<b>RefSeq ORF:</b>	1203 bp
<b>Locus ID:</b>	9209
<b>UniProt ID:</b>	<a href="#">Q9Y608</a>
<b>Cytogenetics:</b>	3p22.2
<b>Gene Summary:</b>	The protein encoded by this gene, along with MYD88, binds to the cytosolic tail of toll-like receptor 4 (TLR4), which results in activation of nuclear factor kappa B signaling. The ubiquitin-like protein FAT10 prevents the interaction of the encoded protein and TLR4, thereby inactivating the nuclear factor kappa B signaling pathway. In addition, this protein can downregulate the NLRP3 inflammasome by recruiting the caspase-1 inhibitor Flightless-I to the inflammasome complex. [provided by RefSeq, Jan 2017]