

# Recombinant Full Length Human EFR3A Protein, GST-tagged

**Cat. No.** EFR3A-4237HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human EFR3A full-length ORF ( NP_055952.1, 1 a.a. - 785 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>    | 785 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | The protein encoded by this gene is part of a complex that plays a role in maintaining an active pool of phosphatidylinositol 4-kinase (PI4K) at the plasma membrane. This protein is thought to be a peripheral membrane protein that associates with the plasma membrane through palmitoylation. Studies indicate that this gene product plays a role in controlling G protein-coupled receptor (GPCR) activity by affecting receptor phosphorylation. Whole exome sequencing studies have implicated mutations in this gene with autism spectrum disorders. [provided by RefSeq, Apr 2016] |
| <b>Molecular Mass</b>   | 115.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>AA Sequence</b>      | MEKLTIFYAVSAPEKLDRIQSYLAERLSRDVVRHRSGYVLIAMEALDQLLMACHSQSI<br>KPFVESFLHMLVAKLLESGEPKLQVLGTNSFVKFANIEEDTPSYHRRYDFFVSRFSAM<br>CHSCHSDPEIRTEIRIAGIRGIQGVVRKTVNDELRAIWE PQHMDKIVPSLLFNMQKIE<br>EVDSRIGPPSSPSATDKEENPAVLAENCFRELLGRATFGNMNNAVRPVFAHLDHHK<br>LWDPNEFAVHCFKIIMYSIQAQYSHHVIQEILGHLDARKK DAPRVRAGIIQV LLEAVAIA                                                                                                                                                                                                                                                                         |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AKGSIGPTVLEVFNTLLKHLRLSVEFEANDLQGGSVGSDLNTSSKDNDEKIVQNAII  
 QTIGFFGSNLPDYQRSEIMMFIMGKVPVFGTSTHTLDISQLGDLGTRRIQIMLLRSL  
 MVTSGYKAKTIVTALPGSFLDLLSPSLMEDYELRQLVLEVMHNLMDRHDNRAKLR  
 GIRIIPDVADLKIKREKICRQDTSFMKKNGQQLYRHIYLGCKEEDNVQKNYELLYTSLA  
 LITIELANEEVVIDLIRLAIALQDSAIINEDNLPMFHRCGIMALVAAYLNFVSQMIAPAF  
 CQHVSKEVIEIRTMEAPYFLPEHIFRDKCMLPKSLEKHEKDLYFLTNKIAESLGSGYS  
 VERLSVPYVPQVTDEDRLSRRKSIVDTVSIQVDILSNNVPSDDVVSNTTEEITFEALKKA  
 IDTSGMEEQEKEKRRLVIEKFQKAPFEEIAAQCESKANLLHDRLAQILELTIRPPSPS  
 GTLTITSGHAQYQSVPVYEMKFPDLCVY

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

EFR3A EFR3 homolog A (*S. cerevisiae*) [ *Homo sapiens* ]

**Official Symbol**

EFR3A

**Synonyms**

EFR3A; EFR3 homolog A (*S. cerevisiae*); protein EFR3 homolog A; KIAA0143;  
 DKFZp781J0562;

**Gene ID**

23167

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|                |           |
|----------------|-----------|
| mRNA Refseq    | NM_015137 |
| Protein Refseq | NP_055952 |
| MIM            | 611798    |
| UniProt ID     | Q14156    |

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