

# Recombinant Full Length Human EEFSEC Protein, GST-tagged

**Cat. No.** EEFSEC-4220HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human EEFSEC full-length ORF ( ABM87586.1, 1 a.a. - 569 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>    | 569 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | EEFSEC (Eukaryotic Elongation Factor, Selenocysteine-TRNA Specific) is a Protein Coding gene. Among its related pathways are Selenium Metabolism and Selenoproteins and Viral mRNA Translation. GO annotations related to this gene include GTP binding and tRNA binding. An important paralog of this gene is TUFM.                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 88.99 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | <p>MASCSTAAFDKQPQSRERGITLDLGFSCFSVPLPARLRSSLPEFQAAPEAEPEPGEP<br/> LLQVTLVDCPGHASLIRTIIGGAQIIDLMMLVIDVTKGMQTQSAECLVIGQIACQKLVVV<br/> LNKIDLLPEGKRQAAIDKMTKKMQKTLENTKFRGAPIIPVAAKPGGPEAPETEAPQGI<br/> PELIELLSQISIPTRDPSGPFLMSVDHCFSIKGQGTVMGTILSGSISLGDSVEIPALK<br/> VVKKVKSMQMFMHPITSAMQGDRLGICVTQFDPKLLERGLVCAPESLHTVHAALISV<br/> EKIPYFRGPLQTKAKFHITVGHETVMGRLMFFSPAPDNFDQEPILDSFNFSQEYLFQ<br/> EQYLSKDLTPAVTDNDEADKKAGQATEGHCPRQQWALVEFEKPVTCPRCLLVIGSR<br/> LDADIHTNTCRLAFHGHILLHGLEDRNYADSFLPRLKVYKLKHKHGLVERAMDDYSVIG<br/> RSLFKKETNIQLFVGLKVHLSTGELGIIDSAFGQSGKFKIHIPGGLSPESKKILTALKK</p> |

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RARAGRGEATRQEESAERSEPSQHVLSLTFKRYVFDTHKRMVQSP

#### 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

EEFSEC eukaryotic elongation factor, selenocysteine-tRNA-specific [ Homo sapiens ]

#### Official Symbol

EEFSEC

#### Synonyms

EEFSEC; eukaryotic elongation factor, selenocysteine-tRNA-specific; selenocysteine-specific elongation factor; EFSEC; elongation factor for selenoprotein translation; SELB; elongation factor sec;

#### Gene ID

60678

#### mRNA Refseq

NM\_021937

#### Protein Refseq

NP\_068756

#### MIM

607695

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