

Recombinant Human EEF1A1 293 Cell Lysate

Cat. No. EEF1A1-6717HCL **Lot. No.** (See product label)

SPECIFICATION

| | |
|----------------------------|---|
| Species | Human |
| Source | HEK293 |
| Description | Antigen standard for eukaryotic translation elongation factor 1 alpha 1 (EEF1A1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection. |
| Components | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| Size | 0.1 mg |
| Storage Instruction | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment. |
| Applications | ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the |

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

| | |
|----------------------------|---|
| Gene Name | EEF1A1 eukaryotic translation elongation factor 1 alpha 1 [Homo sapiens] |
| Official Symbol | EEF1A1 |
| Synonyms | CCS3; EF1A; PTI1; CCS-3; EE1A1; EEF-1; EEF1A; EF-Tu; LENG7; eEF1A-1; GRAF-1EF; HNGC:16303 |
| Gene ID | 1915 |
| mRNA Refseq | NM_001402.5 |
| Protein Refseq | NP_001393.1 |
| MIM | 130590 |
| UniProt ID | P68104 |
| Chromosome Location | 6q14.1 |
| Pathway | EGFR1 Signaling Pathway, organism-specific biosystem;Eukaryotic Translation Elongation, organism-specific biosystem;Gene Expression, organism-specific biosystem;Legionellosis, organism-specific biosystem;Legionellosis, conserved biosystem;Metabolism of proteins, organism-specific biosystem;Peptide chain elongation, organism-specific biosystem; |
| Function | GTP binding;GTPase activity;protein binding;protein kinase binding;translation |

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elongation factor activity;

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