Recombinant Human EIF3J, GST-tagged

Cat. No. EIF3J-12371H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EIF3J protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-258a.a.
Description	Eukaryotic initiation factor-3 (EIF3) has a molecular mass of about 600 kD and contains 13 nonidentical protein subunits, including EIF3J. EIF3 plays a central role in binding of initiator methionyl-tRNA and mRNA to the 40S ribosomal subunit to form the 40S initiation complex (Fraser et al., 2004 [PubMed 14688252]; Fraser et al., 2007 [PubMed 17588516]).
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	EIF3J eukaryotic translation initiation factor 3, subunit J [Homo sapiens]

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Official Symbol	EIF3J
Synonyms	EIF3J; eukaryotic translation initiation factor 3, subunit J; EIF3S1, eukaryotic translation initiation factor 3, subunit 1 alpha, 35kDa; eukaryotic translation initiation factor 3 subunit J; eIF3 alpha; eIF3 p35; eIF3j; eIF-3-alpha; eukaryotic translation initiation factor 3 subunit 1; eukaryotic translation initiation factor 3, subunit 1 alpha, 35kDa; eukaryotic translation initiation factor 3, subunit 1 (alpha, 35kD); EIF3S1; eIF3-p35; eIF3-alpha;
Gene ID	8669
mRNA Refseq	NM_003758
Protein Refseq	NP_003749
MIM	603910
UniProt ID	O75822
Chromosome Location	15q21.1
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Cap-dependent Translation Initiation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Formation of a pool of free 40S subunits, organism-specific biosystem; Formation of the ternary complex, and subsequently, the 43S complex, organism-specific biosystem; GTP hydrolysis and joining of the 60S ribosomal subunit, organism-specific biosystem; Gene Expression, organism-specific biosystem;
Function	protein binding; contributes_to translation initiation factor activity;

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