

Recombinant Human EIF3K, His-tagged

Cat. No. EIF3K-27408TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment: VLKLYQFNPA FFQTTVTAQI LLKALTNLPH TDFTLCKCMI DQAHQ, corresponding to amino acids 50-94 of Human eIF3K fused to a His tag at N-terminal end, 10kDa.
Species	Human
Source	E.coli
ProteinLength	50-94 a.a.
Description	The 700-kD eukaryotic translation initiation factor-3 (eIF3) is the largest eIF and contains at least 12 subunits, including EIF2S12. eIF3 plays an essential role in translation by binding directly to the 40S ribosomal subunit and promoting formation of the 40S preinitiation complex (Mayeur et al.
Conjugation	HIS
Tissue specificity	Ubiquitous, with the highest levels of expression in brain, testis and kidney.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: PBS

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Sequences of amino acids	VLKLYQFNPAFFQTTVTAQILLKALTNLPHTDFTLCKCMIDQAHQ
Sequence Similarities	Belongs to the eIF-3 subunit K family.
GENE INFORMATION	
Gene Name	EIF3K eukaryotic translation initiation factor 3, subunit K [Homo sapiens]
Official Symbol	EIF3K
Synonyms	EIF3K; eukaryotic translation initiation factor 3, subunit K; EIF3S12, eukaryotic translation initiation factor 3, subunit 12; eukaryotic translation initiation factor 3 subunit K; ARG134; eIF3k; HSPC029; M9; PLAC 24; PRO1474; PTD001;
Gene ID	27335
mRNA Refseq	NM_013234
Protein Refseq	NP_037366
MIM	609596
Uniprot ID	Q9UBQ5
Chromosome Location	19q13.2
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and

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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;

Function

binding; ribosome binding; contributes_to translation initiation factor activity; contributes_to translation initiation factor activity;

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