

Recombinant Human EEFSEC protein, His-tagged

Cat. No. EEFSEC-1215H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EEFSEC protein(269-569 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	269-569 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	KLLERGLVCAPESLHTVHAALISVEKIPYFRGPLQTKAKFHITVGHETVMGRMLMFFSP APDNFDQEPILDSFNFSQEYLFQEYLSKDLTPAVTDNDEADKKAGQATEGHCPRQ QWALVEFEKPVTCPRCLVIGSRDLADIHTNTCRLAFHGILLHGLEDNRNYADSFLPRL KVYKLKHKHGLVERAMDDYSVIGRSLFKKETNIQLFVGLKVHLSTGELGIIDSAFGQS GKFKIHIPGGLSPESKKILTPALKKRARAGRGEATRQEESAERSEPSQHVVLSTFKR YVFDTHKRMVQSP
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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](#)

UniProt ID [P57772](#)

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SDS-PAGE

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