

EEF1D Protein, Human, Recombinant (His)

General Information

Synonyms: EF-1-delta;Antigen NY-CO-4;EEF1D;Elongation factor 1-delta;EF1D

Protein Construction: 2-281 aa

Species: Human

Expression Host: E. coli

Accession: P29692

Molecular Weight: 35.0 kDa (predicted)

AA Sequence: ATNFLAHEKIWFDFKFKYDDAERRFYEQMNGPVAGASRQENGASVILRDIARARENIQKSLAGSSGPGASSGT
SGDHGELVVRIASLEVENQSLRGVVQELQQAISKLEARLNVLKSSPGHRATAPQTQHVSPMRQVEPPAKKP
ATPAEDDEDDIDLFGSDNEEEDKEAAQLREERLRQYAEKKAKKPALVAKSSILLDVKPWDDDETMAQLEAC
VRSIQLDGLVWGASKLVPVGYGIRKQLIQCVVEDDKVGTDLLEEEITKFEHVQSVDAIAFNKI

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

EF-1-beta and EF-1-delta stimulate the exchange of GDP bound to EF-1-alpha to GTP, regenerating EF-1-alpha for another round of transfer of aminoacyl-tRNAs to the ribosome.; Regulates induction of heat-shock-responsive genes through association with heat shock transcription factors and direct DNA-binding at heat shock promoter elements (HSE).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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