

IL-5/EDF/BCDFII/TRF, Mouse, Recombinant

Cat. No. : PCK315

General Information

Synonyms	EDF;BCDFII;TRF
Species	Mouse
Expression host	E.coli
Sequence	MEIPMSTVVKETLTQLSAHRALLTSNETMRLPVPTHKNHQLCIGEIQGLDILKNQTVRGGTVE MLFQNLSLIKKYIDRQKEKCGEERRRTRQFLDYLQEFLGVMSTEWAMEG with polyhistidine tag at the C-terminus.
Accession	P04401.1
Tag	His-tag at the C-terminus
Mol mass	13.93 kDa
Expiration date	12 months
Bio activity	Measure by its ability to induce TF-1 cells proliferation. The ED50 for this effect is < 0.2 ng/mL. The specific activity of recombinant mouse IL-5 is > 5 × 10 ⁶ IU/mg.

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2- 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

Interleukin 5 (IL-5) is an interleukin produced by type-2 T helper cells and mast cells. Through binding to the interleukin-5 receptor, interleukin 5 stimulates B cell growth and increases immunoglobulin secretion-primarily IgA. It is also a key mediator in eosinophil activation.

SDS-PAGE

