

ZNF100 Protein, Human, Recombinant (His)

General Information

Synonyms:	Zinc Finger Protein 100;ZNF100
Protein Construction:	Arg99-Lys206
Species:	Human
Expression Host:	E. coli
Accession:	Q8IYN0
Molecular Weight:	15 KDa (reducing condition)
AA Sequence:	Arg99-Lys206

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:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 200 mM NaCl, 50 mM Imidazole, 1 mM ZnCl ₂ , 30% Glycerol, pH 8.0.

Preparation and Storage

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:

Proteins are shipped with blue ice.

Protein Background

Zinc Finger Protein 100 (ZNF100) is part of the krueppel C2H2-type zinc-finger protein family. ZNF100 contains 12 C2H2-type zinc fingers and 1 KRAB domain. ZNF100 is a DNA-binding protein domain consisting of zinc fingers. Zinc finger protein 100 occurs in nature as the part of transcription factors conferring DNA sequence specificity as the DNA-binding domain. Zinc finger proteins have also found use in protein engineering due to their modularity and have prospects as components of tools for use in therapeutic gene modulation and zinc finger nucleases.

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