GMP Human IL-15

Catalog # IL15-HP002 Form: Lyophilized

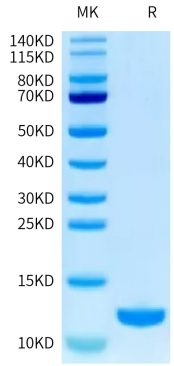
Product Details

Product description	Recombinant GMP Human IL-15 is expressed in E. coli without tag. It contains amino acid residues Asn49-Ser162 (UniProt accession: P40933-1).
Molecular aliases	Interleukin-15; IL-15; IL15; il 15; MGC9721
Expression system	E. coli
Molecular weight	The protein has a predicted MW of 12.8 kDa same as Bis-Tris PAGE result.
Purity	≥ 95% as determined by SEC-HPLC.
Endotoxin	≤ 0.01 EU per μg by the LAL method.
Mycoplasma	Negative
Sterility	No growth determined by membrane filtration method.
Residual host cell protein	< 0.5 ng/μg
Residual host cell DNA	< 0.02 ng/μg
Bioactivity	Measured in a cell proliferation assay using CTLL-2 cells. The ED50 for this effect is 0.1 - 0.3 ng/mL. The specific activity of GMP Human IL-15 is > 1 × 10^7 IU/mg, which is calibrated against the human IL-15 WHO reference standard (NIBSC code: 95/554) (QC Test).
Formulation	Lyophilized from 0.22 μm filtered solution in 20 mM Tris, 150 mM NaCl (pH 7.5). Normally 8% trehalose is added as protectant before lyophilization.
State	Lyophilized
Storage	The product is shipped with ice bag. Store it immediately at -20°C±5°C upon arrival. -20°C±5°C for 36 months in lyophilized state. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Activity validation	Activity verified

Protein Integrity

Bis-Tris PAGE

Representative product-page data



Reported result

GMP Human IL-15 on Bis-Tris PAGE under reduced condition.