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## Product Datasheet

### Recombinant Human IL-3 (N-6His) EBT-EPT177

Article Name	Recombinant Human IL-3 (N-6His)
Biozol Catalog Number	EBT-EPT177
Supplier Catalog Number	EPT177
Alternative Catalog Number	EBT-EPT177-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Interleukin-3 is produced by our E.coli expression system and the target gene encoding Ala20-Phe152 is expressed with a 6His tag at the N-terminus....
Molecular Weight	Molecular weight: 16.6 KDa. Apparent molecular weight: 13-16 KDa, reducing conditions
UniProt	P08700
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) as determined by LAL test. Biological activity: Loaded Human IL-3RA-Fc(CatCU77) on Protein A Biosensor, can bind Human IL-3(CatCF63) with an affinity constant of 3.89uM as determined in BLI assay.. Background: Interleukin-3 (IL-3) is a potent growth promoting cytokine. IL-3 can stimulate the proliferation and differentiation of pluripotent hematopoietic stem cells as well as various lineage committed progenitors. IL-3 exerts its biological function through binding to specific cell surface receptors. The amino acid sequences of this protein among different species share relatively low identity and its activity is highly species-specific. IL-3 has also been shown to possess neurotrophic activity, and is thought to be associated with neurologic disorders