

Metallothionein 3 Human Recombinant

Item Number	rAP-4118
Synonyms	GIF, GIFB, GRIF, ZnMT3, Metallothionein-3, MT-3, Growth inhibitory factor, Metallothionein-III, MT-III, MT3.
Description	MT3 Human Recombinant produced in E. coli is a single polypeptide chain containing 91 amino acids (1-68) and having a molecular mass of 9.3kDa (molecular size on SDS-PAGE will appear higher). MT3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P25713
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMDPETCP CPSSGGSTCA DSCKCEGCKC TSCKKSCCSC CPAECEKCAK DCVCKGGEAA EAEAEKSCC Q.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The MT3 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 10% glycerol. Greater than 85% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**