

Iodotyrosine Deiodinase Human Recombinant

Item Number	rAP-1419
Synonyms	Iodotyrosine dehalogenase 1, IYD-1, Iodotyrosine Deiodinase, IYD, C6orf71, DEHAL1, iodotyrosine dehalogenase 1 isoform 3, dj422F24.1, TDH4.
Description	IYD Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 214 amino acids (24-214 a.a) and having a molecular mass of 25.1kDa.IYD is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q6PHW0
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSDRSMEKK KGEPRTRAEA RPWVDEDLKD SSDLHQAEED ADEWQESEEN VEHIPFSHNH YPEKEMVKRS QEFYELLNKR RSVRFISNEQ VPMEVIDNVI RTAG-TAPSGA HTEPWTFVVV KDPDVKHKIR KIEEEEEEIN YMKRMGHRWV TDLKLRTNW IKEYLDTAPI LILIFKQVHG FAANGKKKVVH YYNE.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless 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	IYD protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol. Greater than 90.0% 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**