

Recombinant Human DIO2 protein, GST-tagged

Cat. No. DIO2-3650H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DIO2 protein(171-273 aa), fused to GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	171-273 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH.
AA Sequence	AIPGDSSLSFEVKKHQNQEDRCAAAQQLLERFSLPPQCRVVADRMDDNNANIAYGVA FERVCIVQRQKIAYLGGKGPFPSYNLQEVRRHWLEKNFSKRUKKTRLAG
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. Reconstitution with 200 µl 50% glycerol solution is recommended for longer term

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storage.

GENE INFORMATION

Gene Name	DIO2 deiodinase, iodothyronine, type II [Homo sapiens]
Official Symbol	DIO2
Synonyms	DIO2; deiodinase, iodothyronine, type II; type II iodothyronine deiodinase; SeLY; thyroxine deiodinase; type II; TXDI2; type 2 DI; type-II 5deiodinase; type-II 5-deiodinase; thyroxine deiodinase, type II; type 2 iodothyronine deiodinase; D2; 5DII; DIOII;
Gene ID	1734
mRNA Refseq	NM_000793
Protein Refseq	NP_000784
MIM	601413
UniProt ID	Q92813

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