

Recombinant Rat Full Length DIO2 Protein (1-266 aa), His-tagged

Cat. No. DIO2-1560R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat DIO2 Protein (1-266 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	Rat
Source	Yeast
ProteinLength	1-266 a.a.
Description	Catalyzes the deiodination of T4 (3,5,3',5'-tetraiodothyronine) into T3 (3,5,3'-triiodothyronine). Essential for providing the brain with appropriate levels of T3 during the critical period of development.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	31.8 kDa
AA Sequence	MGLLSVDLLITLQILPVFFSNCLFLALYDSVILLKHVALLLSRSKSTRGEWRRMLTSEG LRCVWNSFLLDAYKQVKLGEDAPNSSVVHVSNPEAGNNCASEKTADGAECHLLDF ASAERPLVVNFGSATUPPFTRQLPAFRQLVEEFSSVADFLVYIDEAHPSDGWAVPG DSSMSFEVKKHRNQEDRCAAAHQLLERFSLPPQCQVVADRMDDNNANVAYGVAFER VCIVQRRKIAYLGGKGPFSSYNLQEVRSWLEKNFSKRULD

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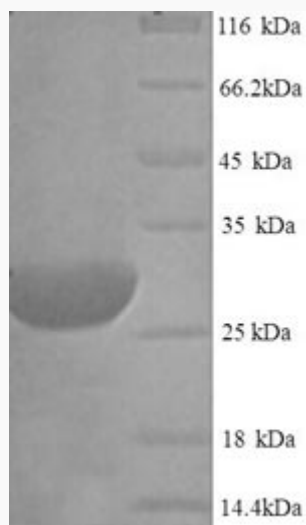
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Gene Name	Dio2 deiodinase, iodothyronine, type II [Rattus norvegicus]
Official Symbol	DIO2
Synonyms	DIO2; type 2 DI; type-II 5-deiodinase; 5DII; DIOII;
Gene ID	65162
mRNA Refseq	NM_031720
Protein Refseq	NP_113908
UniProt ID	P70551

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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