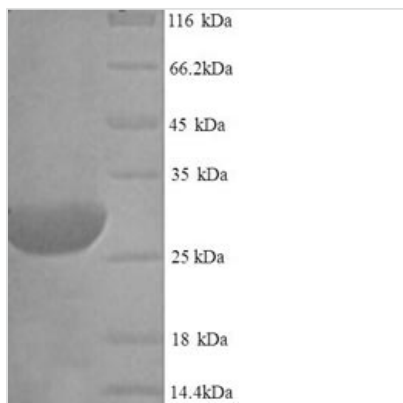




Recombinant Rat Type II iodothyronine deiodinase (Dio2)

Product Code	CSB-YP302542RA
Relevance	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.
Abbreviation	Recombinant Rat Dio2 protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P70551
Alias	5DIIDIOIIType 2 DIType-II 5'-deiodinase
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MGLLSVDLLITLQILPVFFSNCLFLALYDSVILLKHVALLLSRSKSTRGEWRRML TSEGLRCVWNSFLLDAYKQVKLGEDAPNSSVVHVSNPEAGNNCASEKTADGA ECHLLDFASAERPLVVNFGSATUPPFTRQLPAFRQLVEEFSSVADFLLVYIDEA HPSDGWAVPGDSSMSFEVKKHRNQEDRCAAHQLLERFSLPPQCQVADR MDNNANVAYGVAFERVCIVQRRKIAYLGGKGPFSSYNLQEVRSWLEKNFSKRUI LD
Research Area	Others
Source	Yeast
Target Names	Dio2
Protein Names	Recommended name: Type II iodothyronine deiodinase EC= 1.97.1.10Alternative name(s): 5DII DIOII Type 2 DI Type-II 5'-deiodinase
Expression Region	1-266aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	31.8kDa
Protein Length	Full Length
Image	



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.