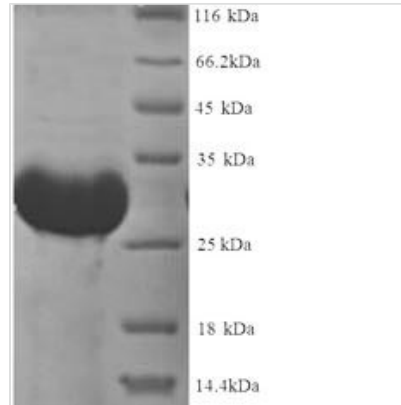




Recombinant Rat Thyroxine 5-deiodinase (Dio3), partial (170:U→missing)

Product Code	CSB-YP344617RA
Relevance	Responsible for the deiodination of T4 (3,5,3',5'-tetraiodothyronine) into RT3 (3,3',5'-triiodothyronine) and of T3 (3,5,3'-triiodothyronine) into T2 (3,3'-diiodothyronine). RT3 and T2 are inactive metabolites. May play a role in preventing prature exposure of developing fetal tissues to adult levels of thyroid hormones. Can regulate circulating fetal thyroid hormone concentrations throughout gestation. Essential role for regulation of thyroid hormone inactivation during bryological development.
Abbreviation	Recombinant Rat Dio3 protein (170:U→missing), partial
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.	P49897
Product Type	Recombinant Proteins
Immunogen Species	Rattus norvegicus (Rat)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	DFLCIRKHFLRRRHPDHPEPEVELNSEGEEMPDPDDPPICVSDDNRLCTLASLK AVWHGQKLDFFKQAHEGGPAPNSEVVRPDGFGSQRILDYAQGTRPLVLNFG SCTUPPFMARM SAFQRLVTKYQRDVFLLIYIEEAHPSDGWVTTDSPYVIPQHR SLEDRVSAARVLQQGAPGCALVLDTMANSSSSAYGAYFERLYVIQSGTIMYQG GRGPDGYQVSELRTWLER YDEQLHGTRPRRL
Research Area	Others
Source	Yeast
Target Names	Dio3
Protein Names	Recommended name: Type III iodothyronine deiodinase EC= 1.97.1.11Alternative name(s): 5DIII DIOIII Type 3 DI Type-III 5'-deiodinase
Expression Region	63-304aa(170:U→missing)
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	29.5kDa
Protein Length	Extracellular Domain
Image	



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

Shelf Life

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