

Deiodinase, Iodothyronine, Type III (DIO3) Recombinant Protein | DIO3 recombinant protein

Recombinant Deiodinase, Iodothyronine, Type III (DIO3)

CATALOG # AAA148358	HOST E.coli	REACTIVITY Mus musculus (Mouse)	APPLICATIONS Western Blot, SDS-Page
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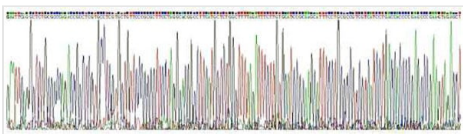
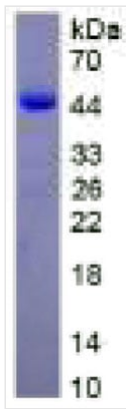
PRODUCT SYNONYMS

Deiodinase; Iodothyronine; Type III (DIO3); Recombinant Deiodinase; ITDI3; TXDI3; Type-III 5'-deiodinase; DIO3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 90%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 100ug/mL (varies by lot)
Applicable Applications for DIO3 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Arg37~Thr169
Tags	N-terminal His and GST Tag
Subcellular Location	Membrane, Chromosome
Traits	Freeze-dried powder
Predicted isoelectric point	6.3
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Gene Sequence
Gene Sequencing (extract)

SDS-PAGE

RLCA QTASCLVLP
RFLGTAFMLW LLDFLCIRKH FLRRRHPDHP EPEVELNSEG EEMPPDDPPI
CVSDDNRLCT LASKAVWHG QKLDFKQAH EGGPAPNSEV VRPDGFQSQR
ILDYAQGTRP LVLNFGSCT

Sequence

ADDITIONAL INFORMATION

Product Categories/Family for DIO3 recombinant protein	Enzyme & Kinase
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NCBI AND UNIPROT INFORMATION

NCBI GI #	255958196
NCBI GeneID	107585
NCBI Accession #	NP_742117.2
NCBI GenBank Nucleotide #	NM_172119.2
UniProt Accession #	Q91ZI8; Q3UKD2; G3UY28
Molecular Weight	Predicted Molecular Mass: 45.1kDa Accurate Molecular Mass: 45kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	thyroxine 5-deiodinase
NCBI Official Synonym Full Names	deiodinase, iodothyronine type III
NCBI Official Symbol	Dio3
NCBI Protein Information	thyroxine 5-deiodinase
UniProt Protein Name	Thyroxine 5-deiodinase
UniProt Gene Name	Dio3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.