

Recombinant Rat PPAR- α protein (His tag)

Catalog Number:PDER100044



Note: Centrifuge before opening to ensure complete recovery of vial contents.

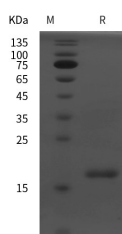
Description

Synonyms	PPAR alpha;PPARA;PPARalpha;PPAR-alpha;PPARMGC2452
Species	Rat
Expression Host	E.coli
Sequence	Ser 280-Leu 433
Accession	P37230
Calculated Molecular Weight	16.8 kDa
Observed molecular weight	18 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Peroxisome Proliferator-Activated Receptor alpha (PPAR alpha ; NR1C1) is a member of the Nuclear Receptor superfamily. PPAR alpha exhibits the highest affinity with unsaturated fatty acids, and linolenic acids. PPAR alpha is expressed in brown fat, liver, kidney, heart, mucosa of the stomach and duodenum, retina, adrenal gland, skeletal muscle, pancreatic islets and smooth muscle cells. PPAR alpha plays important roles in lipid and glucose metabolism, and has been implicated in obesity-related metabolic diseases such as hyperlipidemia, insulin resistance, and coronary artery disease. Three members have been identified and are called PPAR alpha, δ , and lambda. Retinoid X Receptor (RXR) is an obligate partner for PPAR.

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