Human PON3 / Paraoxonase 3 Protein (50 Ser/Asn, His Tag)

Catalog Number: **13063-H07B**

General Information

Gene Name Synonym:

PON3

Protein Construction:

A DNA sequence encoding the human PON3 (Q15166-1) (Met 1-Leu 354) (50 Ser/Asn) was expressed, with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 85 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per μg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 ℃

Predicted N terminal: Met

Molecular Mass:

The recombinant human PON3 consists of 373 amino acids and predicts a molecular mass of 42 kDa. It migrates as an approximately 45 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 1mM CaCL2, 10% gly, 0.1% DDM

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

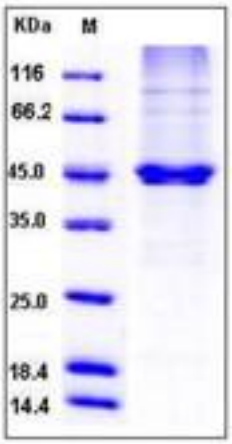
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1.Draganov DI, *et al.* (2000) Rabbit serum paraoxonase 3 (PON3) is a high density lipoprotein-associated lactonase and protects low density lipoprotein against oxidation. J Biol Chem. 275(43): 33435-42. 2.Shih DM, *et al.* (2007) Decreased obesity and atherosclerosis in human paraoxonase 3 transgenic mice. Circ Res. 100(8): 1200-7. 3.Rosenblat M, *et al.* (2003) Mouse macrophage paraoxonase 2 activity is increased whereas cellular paraoxonase 3 activity is decreased under oxidative stress. Arterioscler Thromb Vasc Biol. 23(3): 468-74.