

41670. Human Procalcitonin (PCT)

Origin:	Recombinant	Cat. No.:	41670
Tag:	N-terminal 6xHis	Size:	0.1 mg
Source:	E.coli	Purity:	>90%
Other names:	PCT	Species:	Human

Description

Expressed in E.coli with total 152 AA. Mw: 16.9 KDa (calculated).

N-terminal 6xHis-tag and TEV cleavage site, 36 extra AA (highlighted). Recombinant antigen for research use or manufacturing only.

Introduction to the Molecule

Procalcitonin is a prohormone of calcitonin. Levels of unprocessed procalcitonin rise significantly after bacterial infection, trauma or shock. Procalcitonin is also associated with systemic complications in humans suffering from acute pancreatitis.

Amino Acid Sequence

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSAPFRSALESSPADPATLSEDEAR
 LLLAALVQDYVQMKASELEQEQEREGSSLDSPRSKRCGNLSTCMLGTYTQDFNKFHTFPQTAIG
 VGAPGKKRDMSSDLERDHRPHVSMPQAN

Endotoxin Level: <0.2 EU/ug.

Applications: Standard ELISA test, Western Blot.

Formulation: Lyophilized at 1 mg/mL in PBS.

Reconstitution: Add deionized water to prepare a working stock solution of approximately 1 mg/mL and let the lyophilized pellet dissolve completely.

Storage: Store lyophilized protein at -20°C. Aliquot reconstituted protein and store at -80°C. Avoid repeated freezing/thawing cycles.

Quality Control Test

BCA to determine quantity of the protein.

SDS PAGE to determine purity of the protein.

SDS-PAGE Gel

