AriVerity Recombinant Human Procalcitonin (PCT)

Product Technical Data Sheet

Document No. AV-TDS-PCT-001 | Initial issue | Publication date 30 October 2026

Intended for use as a raw material in the manufacture of kits, calibrators and control materials. Not intended for direct clinical diagnostic use.

Product Specifications

Parameter	Specification
Catalog Number	AV-PCT-001
Gene	CALCA
UniProt ID	P01258
Species	Human
Expression system	E. coli
PCT sequence (residues 26–141; 116 amino acids)	APFRSALESSPADPATLSEDEARLLLAALVQDYVQMKASELEQEQEREGSSLDSPRSKRCGNLSTCMLGTYT QDFNKFHTFPQTAIGVGAPGKKRDMSSDLERDHRPHVSMPQNAN
Tag	C-terminal 6xHis tag
Molecular weight (calculated)	~12.8 kDa
Apparent molecular weight (reducing SDS-PAGE)	13 kDa
Form	Liquid in 20 mM Tris-HCl (pH 7.4), 140 mM NaCl, 10 % glycerol and 0.05 % sodium azide (NaN_3)
Protein concentration	Lot-specific; refer to the Certificate of Analysis (CoA)
Pack size	1 mL

Quality Control

Quality attribute	Method	Result
Purity	SDS-PAGE	≥95%
Identity	Q-TOF Mass Spectrometry	Not tested
His Tag Verification	Western blot (Anti-His antibody)	Positive
Immunoreactivity	Immunoreactivity assay	Positive
Binding Activity	Surface Plasmon Resonance (SPR)	Not tested

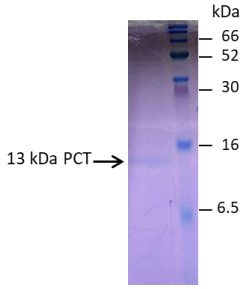
Storage and Stability

Storage temperature	Evaluation period	Assessment
2–8 °C	Not specified	No significant loss reported
−20 °C	Up to 3 months	Storage stability reported
−80 °C	Not specified	Avoid repeated freeze–thaw cycles

Avoid repeated freeze–thaw cycles.

Quality Statement

Every lot is tested for purity, identity and immunoreactivity.



Manufacturer: AriVerity Biyoteknoloji Ar-Ge Sanayi ve Ticaret Limited Şirketi