Activated Protein C (PROC), His-Tag Recombinant

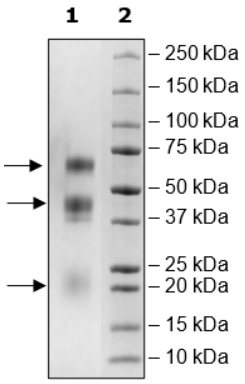
Catalog: 70019
Lot: 220816

Product Information

Description:	Recombinant human activated protein C (PROC), full length encompassing 1 – 461(end). This construct contains a C-terminal His-tag (10xHis). This recombinant protein was affinity purified.
Species	Human
Construct:	Activated Protein C (PROC) (1-461(end)-His)
Concentration:	0.52 mg/ml
Expression System:	HEK293
Purity:	≥90%
Format:	Aqueous buffer solution.
Formulated In:	50 mM Tris-HCl, pH 8.0, 138 mM NaCl, and 2.7 mM KCl
MW:	Reduced conditions: Heavy Chain: 60 kDa; Light Chain: 46 kDa; Propetide: 24 kDa + glycans
Glycosylation:	This protein runs at a higher MW by SDS-PAGE due to glycosylation.
Genbank Accession:	NM_000312
Stability:	At least 6 months at -80°C.
Storage:	-80°C
Instructions for Use:	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Assay Conditions:	Assay was done in 50 mM Tris-HCl, pH 8.8, 150 mM NaCl, 10 mM $CaCl_2$ 0.01% Brij35. Reactions were done in 50 µl duplicates with 100 µM Boc-VPR-AMC substrate (R&D ES011). PROC was titrated at various concentrations. Reaction was incubated for 10 minutes at room temperature. Fluorescence intensity was measured at Excitation 380 nm/ Emission 460 nm.
Applications:	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

Quality Control Data

4-20% SDS-PAGE Coomassie Staining



PROC Activity