

XRCC1 recombinant protein

Recombinant XRCC1 protein

CATALOG # AAA60405	HOST Baculovirus
------------------------------	----------------------------

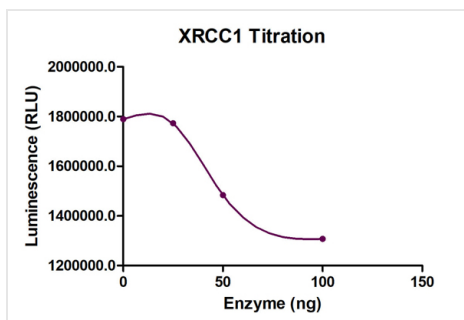
PRODUCT SYNONYMS

XRCC1; Recombinant XRCC1 protein; RCC; SCAR26; XRCC1 recombinant protein

PRODUCT SPECIFICATIONS

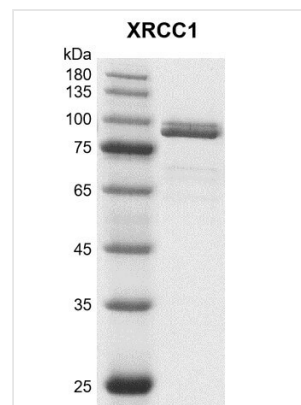
Host	Baculovirus
Purity/Purification	>=80% by SDS-PAGE.
Form/Format	Recombinant XRCC1 protein is supplied at in 25 mM HEPES pH 7.5, 300 mM NaCl, 20% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.
Protein Species	Human
Protein Details	Recombinant XRCC1 protein that includes full length of human XRCC1 protein (accession number NP_006288.2) was expressed in Sf9 cells and contains an C-terminal His-DYKDDDDK tag with a molecular weight of 72.01kDa.

IMAGES



ELISA

ELISA for XRCC1 activity 25uM NAD-Biotin and Activated DNA were added into ELISA plate (coated with histone H2A and H2B mixture) with PARP1 in ADPR Buffer and incubated for 1 hour at room temperature. After washing, different concentrations of XRCC1 were added into each well and incubated in reaction buffer for 1 hour at room temperature. Following Streptavidin-HRP and ECL incubation, the plate was read in a luminometer or microtiter-plate reader.



SDS-PAGE

Recombinant XRCC1 protein gel. XRCC1 protein was run on a 10% SDS-PAGE gel and stained with Coomassie Blue. MW: 72.01kDa Purity: >80%

ADDITIONAL INFORMATION

Related Product Information for XRCC1 recombinant protein	XRCC1 (DNA repair protein XRCC1) also known as RCC and SCAR26. XRCC1 is a scaffold protein that is recruited to SSBs by PARP1 and/or PARP2 activity through direct interaction between poly (ADP-ribose) and the central BRCT domain in XRCC1. XRCC1 in turn interacts with and recruits the enzymes required for SSB repair, including DNA polymerase β , DNA ligase III, polynucleotide kinase/phosphatase and aprataxin. Hereditary mutations in XRCC1 and some of these protein partners result in neurodevelopmental disorders and/or progressive neurodegeneration.
Product Categories/Family for XRCC1 recombinant protein	DNA Damage ; Ubiquitination ; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

Molecular Weight	72.01kDa
------------------	----------

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/xrcc1-recombinant-protein-baculovirus/60405>