

Datasheet for ABIN2735698

XRCC4 Protein (Transcript Variant 3) (Myc-DYKDDDDK Tag)[Go to Product page](#)**1** Image**1** Publication

Overview

Quantity:	20 µg
Target:	XRCC4
Protein Characteristics:	Transcript Variant 3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This XRCC4 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human XRCC4 (transcript variant 3) protein expressed in HEK293 cells.• Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	XRCC4
Alternative Name:	Xrcc4 (XRCC4 Products)
Background:	The protein encoded by this gene functions together with DNA ligase IV and the DNA-dependent protein kinase in the repair of DNA double-strand breaks. This protein plays a role in both non-homologous end joining and the completion of V(D)J recombination. Mutations in this gene can cause short stature, microcephaly, and endocrine dysfunction (SSMED). Alternative

Target Details

	splicing generates several transcript variants.
Molecular Weight:	37.9 kDa
NCBI Accession:	NP_072044
Pathways:	DNA Damage Repair , Production of Molecular Mediator of Immune Response

Application Details

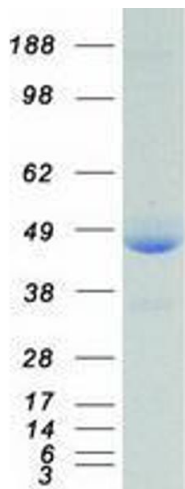
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in:	Myers, Maxwell, Wang: "Quantification of XRCC and DNA-PK proteins in cancer cell lines and human tumors by LC-MS/MS." in: Bioanalysis , Vol. 6, Issue 22, pp. 2969-83, (2014) (PubMed).
-------------------	--



Western Blotting

Image 1. Validation with Western Blot