

Datasheet for ABIN2720339

EPRS Protein (Myc-DYKDDDDK Tag)[1 Image](#)[1 Publication](#)[Go to Product page](#)

Overview

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

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human EPRS 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:	EPRS
Alternative Name:	Eprs (EPRS Products)
Background:	Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is a multifunctional aminoacyl-tRNA synthetase that catalyzes the aminoacylation of glutamic acid and proline tRNA species. Alternative splicing has been observed for this gene, but the full-length nature and biological validity of the variant have not been determined.

Target Details

Molecular Weight: 170.4 kDa

NCBI Accession: [NP_004437](#)

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: Laufs, Altieri, Sbiera, Kircher, Steinhauer, Beuschlein, Quinkler, Willenberg, Rosenwald, Fassnacht, Ronchi: "ERCC1 as predictive biomarker to platinum-based chemotherapy in adrenocortical carcinomas." in: **European journal of endocrinology**, Vol. 178, Issue 2, pp. 181-188, (2018) ([PubMed](#)).

Kuo, Adam, Dorvault, Robin, Friboulet, Soria, Olausson: "A novel antibody-based approach to detect the functional ERCC1-202 isoform." in: **DNA repair**, Vol. 64, pp. 34-44, (2018) ([PubMed](#)).

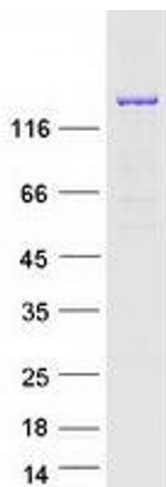
Bahamon, Gao, Danaee: "Development and Validation of an ERCC1 Immunohistochemistry Assay for Solid Tumors." in: **Archives of pathology & laboratory medicine**, Vol. 140, Issue 12, pp. 1397-1403, (2016) ([PubMed](#)).

Xiu, Jiang, Liu: "Classic biphasic pulmonary blastoma with brain and axillary metastases: a case report with molecular analysis and review of literature." in: **International journal of clinical and**

experimental pathology, Vol. 8, Issue 1, pp. 983-8, (2015) ([PubMed](#)).

Puccetti, Fallarino, Italiano, Soubeyran, MacGrogan, Debled, Velasco, Bodet, Eimer, Veldhoen, Prendergast, Platten, Bessede, Guillemin: "Accumulation of an endogenous tryptophan-derived metabolite in colorectal and breast cancers." in: **PLoS ONE**, Vol. 10, Issue 4, pp. e0122046, (2015) ([PubMed](#)).

Images



Western Blotting

Image 1. Validation with Western Blot