

## Datasheet: PHP126

<b>Description:</b>	RECOMBINANT HUMAN CD154
<b>Name:</b>	CD154
<b>Other names:</b>	CD40 LIGAND, TRAP
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	10 µg

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			0.05 ug - 0.5 ug
Functional Assays	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified recombinant protein - lyophilized
<b>Reconstitution</b>	Reconstitute with 10ul 5-10mM sodium phosphate pH7.5. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
<b>Preparation</b>	Recombinant protein expressed in <i>E.Coli</i>
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Endotoxin Level</b>	< 0.1 ng/ug

**Approx. Protein Concentrations** 1.0 mg/ml

---

**External Database Links**

**UniProt:**  
[P29965](#)   [Related reagents](#)

**Entrez Gene:**  
[959](#) CD40LG   [Related reagents](#)

---

**Synonyms** CD40L, TNFSF5, TRAP

---

**Product Information** **Recombinant Human CD154** is an *E.coli* derived protein corresponding to human CD154, also known as CD40 ligand, CD40L or TRAP. CD154 is a membrane protein expressed by activated T cells. Binding of CD154 to its ligand (CD40) on B cells induces B cell proliferation and immunoglobulin class switching.

This preparation of Recombinant Human CD154 comprises the receptor binding TNF-like domain of human CD154.

---

**Protein Molecular Weight** 16.3kDa (149 amino acid sequence)

---

**Purity** >98% by SDS PAGE and HPLC sequence analysis

---

**Storage** Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.

This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

---

**Guarantee** 3 months from date of reconstitution

---

**Health And Safety Information** Material Safety Datasheet documentation #10209 available at: 10209: <https://www.bio-rad-antibodies.com/uploads/MSDS/10209.pdf>

---

**Regulatory** For research purposes only

---

**North & South America** Tel: +1 800 265 7376  
Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M391305:211008'

Printed on 07 Jan 2022

---