

## Datasheet: PHP253

**BATCH NUMBER 154099**

<b>Description:</b>	RECOMBINANT HUMAN SFRP1
<b>Name:</b>	SFRP1
<b>Other names:</b>	sFRIZZLED RELATED PROTEIN-1
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	20 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
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 0.2 ml distilled water. 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>	Purified recombinant SFRP1 expressed in HeLa cells
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Endotoxin Level</b>	< 1.0 EU/ug
<b>Approx. Protein Concentrations</b>	0.1 mg/ml after reconstitution

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q8N474</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">6422</a> SFRP1 <a href="#">Related reagents</a>
<b>Synonyms</b>	FRP, FRP1, SARP2
<b>Product Information</b>	<p><b>Recombinant Human SFRP1 antigen</b> produced in Hela cells corresponds to human SFRP1 (Secreted Frizzled-Related Protein-1), a widely expressed multi-functional secreted protein, and member of the sFRP family. SFRP1 acts as a modulator of Wnt signalling, playing an important role in embryonic development as well as proliferation, differentiation, and apoptosis in adult tissues. SFRP1 acts as a promoter of Wnt-induced effects at lower concentrations, and as a negative regulator at high concentrations.</p> <p>SFRP1 has been implicated as a tumour suppressor protein in several human malignancies, including colorectal, breast, bladder, and ovarian cancer.</p> <p>Recombinant Human SFRP1 is a 283 amino acid residue glycosylated protein containing a cysteine-rich Frizzled homologous domain.</p>
<b>Protein Molecular Weight</b>	283 amino acid, glycosylated protein containing a cysteine-rich Frizzled homologous domain
<b>Activity</b>	Determined by its ability to inhibit BMP-2 proliferation effect of ATDC-5 cells, with an expected ED <sub>50</sub> of 0.3–0.5 µg/ml.
<b>Purity</b>	>97% by SDS PAGE and HPLC
<b>Storage</b>	<p>Prior to reconstitution store at -20°C.</p> <p>After reconstitution store at -20°C.</p> <p>Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10302 available at:  <a href="https://www.bio-rad-antibodies.com/SDS/PHP253">https://www.bio-rad-antibodies.com/SDS/PHP253</a>  10302</p>
<b>Regulatory</b>	For research purposes only

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