

Datasheet: PHP253

BATCH NUMBER 164844

Description:	RECOMBINANT HUMAN SFRP1
Name:	SFRP1
Other names:	sFRIZZLED RELATED PROTEIN-1
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified recombinant protein - lyophilized
Reconstitution	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.
Preparation	Purified recombinant SFRP1 expressed in HeLa cells
Source	HeLa
Buffer Solution	10mM Sodium Phosphate
Preservative Stabilisers	None present
Carrier Free	Yes

Endotoxin Level	< 1.0 EU/ug
Approx. Protein Concentrations	0.1 mg/ml after reconstitution
External Database Links	<p>UniProt: Q8N474 Related reagents</p> <p>Entrez Gene: 6422 SFRP1 Related reagents</p>
Synonyms	FRP, FRP1, SARP2
Product Information	<p>Recombinant Human SFRP1 antigen 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>
Protein Molecular Weight	283 amino acid, glycosylated protein containing a cysteine-rich Frizzled homologous domain
Activity	Determined by its ability to inhibit BMP-2 proliferation effect of ATDC-5 cells, with an expected ED ₅₀ of 0.3–0.5 µg/ml.
Purity	>97% by SDS PAGE and HPLC
Storage	<p>Prior to reconstitution store at -20°C. After reconstitution store at -20°C. 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>
Guarantee	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10527 available at: https://www.bio-rad-antibodies.com/SDS/PHP25310527
Regulatory	For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
'M416562:230302'

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