



Product datasheet

Recombinant human SFRP1 protein ab64445

2 References

製品の詳細

製品名	Recombinant human SFRP1 protein
生理活性	Biological Activity :Determined by its ability to inhibit BMP-2 proliferation effect of ATDC-5 cells. The expected ED50 is 0.3-0.5 µg/ml.
精製度	> 95 % SDS-PAGE. Purity: Greater than 97% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg).
発現系	HeLa cells
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	SEYDYVSFQS DIGPYQSGRF YTKPPQCVDI PADLRLCHNV GYKKMVLPNL LEHETMAEVK QQASSWVPLL NKNCHAGTQV FLCSLFAPVC LDRPIYPCRW LCEAVRDSCE PVMQFFGFYW PEMLKCDKFP EGDVCIAMTP PNATEASKPQ GTTVCPPCDN ELKSEAIIEH LCASEFALRM KIKEVKKENG DKKIVPKKKK PLKLGPIKKK DLKKLVLYLK NGADCPCHQL DNLSHHFLIM GRKVKSQYLL TAIHKWDKKN KEFKNFMKKM KNHECPTFQS VFK
領域	32 to 314

特性

Our **Abpromise guarantee** covers the use of **ab64445** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Functional Studies
	SDS-PAGE

製品の状態	Lyophilized
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前処理および保存

保存方法および安定性	Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Working aliquots stored with a carrier protein are stable for at least 3 months at -20°C to -80°C..
	This product is an active protein and may elicit a biological response in vivo, handle with caution.
再構成	Reconstitute with 200µl of sterile water.

関連情報

機能	Soluble frizzled-related proteins (sFRPS) function as modulators of Wnt signaling through direct interaction with Wnts. They have a role in regulating cell growth and differentiation in specific cell types. SFRP1 decreases intracellular beta-catenin levels (By similarity). Has antiproliferative effects on vascular cells, in vitro and in vivo, and can induce, in vivo, an angiogenic response. In vascular cell cycle, delays the G1 phase and entry into the S phase (By similarity). In kidney development, inhibits tubule formation and bud growth in metanephroi (By similarity). Inhibits WNT1/WNT4-mediated TCF-dependent transcription.
組織特異性	Widely expressed. Absent from lung, liver and peripheral blood leukocytes. Highest levels in heart and fetal kidney. Also expressed in testis, ovary, fetal brain and lung, leiomyoma cells, myometrial cells and vascular smooth muscle cells. Expressed in foreskin fibroblasts and in keratinocytes.
配列類似性	Belongs to the secreted frizzled-related protein (sFRP) family. Contains 1 FZ (frizzled) domain. Contains 1 NTR domain.
ドメイン	The FZ domain is involved in binding with Wnt ligands.
細胞内局在	Secreted. Cell membrane or extracellular matrix-associated. Released by heparin-binding.

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