Osteonectin (SPARC) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Osteonectin (SPARC), Recombinant Protein
Full Product Name	Human Osteonectin Recombinant Protein Lyophilized
Product Gene Name	SPARC recombinant protein
Host	CHO cells
Form/Format	Lyophilized
Purity/Purification	Greater tha>98% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per and ug (1EU/andug)
Preparation and Storage	The lyophilized Osteonectin recombinant protein is stable for at least 2 years from date of receipt at -20 degree C. Reconstituted Osteonectin stable for at least 3 months when stored in working aliquots with a carrier protein at -20 degree C. As with any protein, exposing Osteonectin recombinant protein to repeated freeze/thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Species	Human
Related Product Information for SPARC recombinant protein	Human Osteonectin Recombinant Protein Lyophilized has been recombinantly produced in CHO cells. SPARC/Osteonectin is a secreted, evolutionarily conserved collagen-binding glycoprotein that is involved in a variety of cellular activities. It is highly expressed in tissues undergoing morphogenesis, remodeling and wound repair. SPARC/Osteonectin and its related peptides bind to numerous proteins of the extracellular matrix (ECM), affect ECM protein expression, influence cellular adhesion and migration, and modulate growth factor-induced cell proliferation and angiogenesis. SPARC/Osteonectin consists of three domains; an N-terminal acidic region that binds calcium ions with low affinity, a module containing two EF-hand motifs that bind calcium with high affinity, and a cysteine-rich follistatin-like domain. Recombinant human SPARC/Osteonectin is a glycoprotein containing 286 amino acids that migrates at an apparent MW of 43.7 kDa by SDS-PAGE analysis due to the effect of glycosylation.
Other Notes	Small volumes of SPARC recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SPARC purchase	MBS8433045 is a recombinant protein targeting SPARC. Also known as Human Osteonectin Recombinant Protein Lyophilized. Host: CHO cells.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SPARC. It may not necessarily be applicable to this product.

Protein Family	SPARC
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