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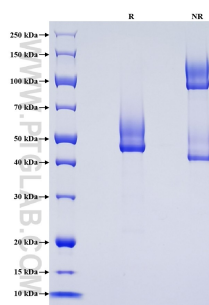
# Recombinant Mouse SDC2 protein (rFc Tag)



Catalog Number: Eg2700

Basic Information	<b>Species:</b> Mouse	<b>Purity:</b> >90 %, SDS-PAGE	<b>Tag:</b> rFc Tag
Technical Specifications	<b>Purity:</b> >90 %, SDS-PAGE <b>Endotoxin Level:</b> <0.1 EU/ µg protein, LAL method <b>Source:</b> HEK293-derived Mouse SDC2 protein Glu19-Glu145 (Accession# P43407) with a rabbit IgG Fc tag at the C-terminus. <b>GeneID:</b> 15529 <b>Accession:</b> P43407 <b>Predicted Molecular Mass:</b> 39.9 kDa <b>SDS-PAGE:</b> 45-65 kDa, reducing (R) conditions <b>Formulation:</b> Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	<b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	SDC2, containing cell surface heparan sulfate proteoglycan, functions as an integral membrane protein and participates in cell proliferation, cell migration, cell adhesion and signal transduction. It has been reported that the expression level of SDC2 will be up-regulated under hypoxia condition which can induce increased release of cytokines and chemokines. Besides, methylated SDC2 can be used as a potential biomarker for early diagnosis of colon cancer.		
References	<ol style="list-style-type: none"><li>1.Kaur C, et al. (2009). Glia. 57(3):336-49.</li><li>2.Mytilinaiou M, et al. (2013). IUBMB Life. 65(2):134-43.</li><li>3.Níkolaou S, et al. (2018). Tech Coloproctol. 22(7):481-498.</li><li>4.Molnár B, et al. (2018). BMC Cancer. 27;18(1):695.</li></ol>		
Synonyms	CD362, Fibroglycan, Heparan sulfate proteoglycan core protein, HSPG, Hspg1		

## Selected Validation Data



Purity of Recombinant Mouse SDC2 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.