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Datasheet for ABIN7198125 **SDF2 Protein (His tag)**



Overview	
Quantity:	100 µg
Target:	SDF2
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SDF2 protein is labelled with His tag.
Product Details	
Purpose:	Recombinant Human SDF2 Protein (His Tag)
Sequence:	Met 1-Leu 211
Characteristics:	A DNA sequence encoding the pro form of human SDF2 (NP_008854.2) (Met 1-Leu 211) was expressed with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μ g as determined by the LAL method.
Target Details	

Target:	SDF2
Alternative Name:	SDF2 (SDF2 Products)
Background:	Background: Stromal derived factors (SDFs) are a loosely defined group of molecules that are generated by stromal cells. Two of the stromal derived factors, SDF-1 and SDF-4 belong to the
	chemokine family. Other SDFs, such as SDF-2 and SDF-5 are not well defined and their

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	biological functions are less known. SDF-2 is first isolated from the mouse stromal cell line ST2
	as a secretory protein. The amino acid sequence deduced from the murine clone and
	the human homolog are conserved more than 92 %, and the aa sequence of SDF-2 shows
	similarity to those of yeast dolichyl phosphate-D-mannose, protein mannosyltransferases. SDF-
	1 and its receptor are strongly indicated in the progression of various cancers including breast
	cancer. SDF-2, SDF2-L1, SDF-4, and SDF-5 are ubiquitously expressed in various cancer cell
	lines and SDF-2, SDF-4 and SDF-5 are expressed in mammary tissues. These SDFs have
	prognostic value and warrant further investigation in their biological functions and clinical value.
	Synonym: SDF2
Molecular Weight:	22.7 kDa
NCBI Accession:	NP_008854
Pathways:	SARS-CoV-2 Protein Interactome
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris, 100 mM NaCl, pH 8.0, 0.5 mM PMSF, 0.5 mM EDTA,
	0.5 mM TCEP, 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.