Recombinant Human SDF2 Protein (Ser19-Leu211), His tagged

Cat. No. SDF2-6254H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SDF2 (Ser19-Leu211) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser19-Leu211
Description	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 biological functions are less known. SDF-2 is first isolated from themousestromal cell lineST2 as asecretory protein. The amino acid sequence deduced from themurineclone and thehumanhomologare conserved more than 92 %, and the aa sequence of SDF-2 shows similarity to those ofyeastdolichyl 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.
Form	Lyophilized powder/frozen liquid

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Molecular Mass	22.92 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	SDF2 stromal cell-derived factor 2 [Homo sapiens (human)]
Official Symbol	SDF2
Synonyms	SDF2; stromal cell-derived factor 2; SDF-2; FLJ17932;
Gene ID	6388
mRNA Refseq	NM_006923
Protein Refseq	NP_008854
MIM	602934

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UniProt ID	Q99470

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