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## Product Data Sheet

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Product Name: SDF2 Human  
 Cat. No.: GP21219  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Stromal cell-derived factor 2; SDF-2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSSSLGVVT CGSVVKLLNT RHNVRLHSHD VRYGSGSGQQ SVTGVTSVDD SNSYWRIRGK SATVCERGTP IKCGQPIRLT HVNTGRNLHS HHFTSPLSGN QEVSAFGEEG EGDYLLDDWTV LCNGPYWVRD GEVRFKHSST EVLLSVTGEQ YGRPISGQKE VHGMAQPSQN NYWKAMEGIF MKPSELLKAE AHHAEL.		
Formulation	SDF2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

### Introduction

Stromal Cell-Derived Factor 2 (SDF2) is a secretory protein which is partly similar to the hydrophilic segments of yeast mannosyltransferases. SDF2 protein's expression is ubiquitous and the gene is rather conserved among mammals. SDF2 is a protein-coding gene whose alternative splicing results in coding and non-coding variants.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

SDF2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 216 amino acids (19-211 a.a) and having a molecular mass of 23.7kDa. SDF2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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