
Product Data Sheet

Product Name: SDF2 Human, sf9
 Cat. No.: GP21220
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Stromal Cell Derived Factor 2; Stromal Cell-Derived Factor 2; SDF-2		
Amino Acid Sequence	ADPSSLGVVT CGSVVLLNT RHNVRLHSHD VRYGSGSGQQ SVTGVTSVDD SNSYWRIRGK SATVCERGTP IKCGQPIRLT HVNTGRNLHS HHFTSPLSGN QEVSAFGEEG EGDYLLDDWTV LCNGPYWVRD GEVRFKHSST EVLLSVTGEQ YGRPISGQKE VHGMAQPSQN NYWKAMEGIF MKPSELLKAE AHHAELHHHH HH		
Formulation	SDF2 protein solution (0.25mg/ml) contains 50mM Tris-HCl (pH 8.0), 10% glycerol, 0.1M NaCl 0.1mM PMSF and 0.5mM EDTA.		

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 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 202 amino acids (19-211a.a.) and having a molecular mass of 22.3kDa. (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). SDF2 is expressed with an 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

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

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