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## Product Data Sheet

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Product Name: RUNX3 Human  
 Cat. No.: GP24457  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	AML2; CBFA3; PEBP2aC; PEBP2A3; FLJ34510; MGC16070; RUNX3; Oncogene AML-2; Runt-related transcription factor 3; Core-binding factor subunit alpha-3; Acute myeloid leukemia 2 protein; Polyomavirus enhancer-binding protein 2 alpha C subunit; SL3-3 enhancer factor 1 alpha C subunit; SL3/AKV core-binding factor alpha C subunit.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MRSMVDVLAD HAGELVRTDS PNFLCSVLPS HWRCNKTLPV AFKVVALGDV PDGTVVTVMA GNDENYSAEL RNASAVMKNQ VARFNDLRFV GRSGRGKSFT LTITVFTNPT QVATYHRAIK VTVDGPREPR RHRQK.		
Formulation	RUNX3 Human solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.		

### Introduction

RUNX3 is part of the RUNX family that mediates the expression of genes which participate in cellular differentiation and cell cycle progression. RUNX3 heterodimer and the beta subunit form a complex that binds to the core DNA sequence 5''-PYGPYGGT-3'' found in several enhancers and promoters, and can either activate or suppress transcription. RUNX3 interacts with additional transcription factors. RUNX3 is a good candidate for gastric cancer tumor suppressor diagnosis.

### 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

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

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RUNX3 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 155 amino acids (53-186 a.a.) and having a molecular mass of 17.1 kDa. The RUNX3 is fused to 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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