

## RUNX3 Human

**Description:** 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.

Catalog #: PRPS-843

For research use only.

**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 f

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MRSMVDVLAD HAGELVRTDS  
PNFLCSVLPS HWRCNKTLPV AFKVVVALGDV PDGTVVTVMA GNDENYSAEL RNASAVMKNQ  
VARFNDLRFV GRSGRGKSFT LTITVFTNPT QVATYHRAIK VTVDGPREPR RHRQK.

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

RUNX3 Human solution containing 20mM Tris HCL pH-8, 0.1M NaCl, & 20% glycerol.

**Stability:**

RUNX3 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C.  
Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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