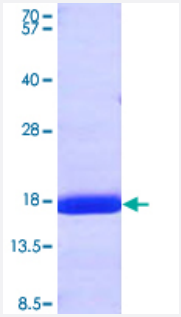
RUNX3 (Human) Recombinant Protein

Catalog # P3554 Size 50 ug

Applications



Specification

Product Description	Human RUNX3 (NP_004341, 53 a.a. - 186 a.a.) partial recombinant protein with His tag expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMRSMVDVLADHAGELVRTDSPNFLCSVLPSHWRCNKTLPVAF KVVALGDVPDGTVVTVMAGNDENYSAELRNASAVMKNQVARFNDLRFVGRSGRGKSFTLTITVF TNPTQVATYHRAIKVTVDGPREPRRHRQK
Host	Escherichia coli
Theoretical MW (kDa)	17.1
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purification	Conventional Chromatography
Concentration	0.5 mg/mL
Purity	> 95% by SDS-PAGE
Quality Control Testing	Loading 3 ug protein in 15% SDS-PAGE
Storage Buffer	In 20 mM Tris-HCl buffer, 0.1 M NaCl, pH 8.0 (1 mM DTT, 20% glycerol).

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Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — RUNX3

Entrez GeneID	864
Protein Accession#	NP_004341
Gene Name	RUNX3
Gene Alias	AML2, CBFA3, FLJ34510, MGC16070, PEBP2aC
Gene Description	runt-related transcription factor 3
Omim ID	600210
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the runt domain-containing family of transcription factors. A heterodimer of this protein and a beta subunit forms a complex that binds to the core DNA sequence 5'-PYGPYGGT-3' found in a number of enhancers and promoters, and can either activate or suppress transcription. It also interacts with other transcription factors. It functions as a tumor suppressor, and the gene is frequently deleted or transcriptionally silenced in cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000003370|OTTHUMP00000003371|PEA2 alpha C|PEBP2 alpha C|acute myeloid leukemia gene 2|core-binding factor, runt domain, alpha subunit 3|polyomavirus enhancer-binding protein 2 alpha C subunit|transcription factor AML2

Disease

- Celiac Disease
- Colitis
- Gastritis
- Genetic Predisposition to Disease

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- Helicobacter Infections
- Intestinal Neoplasms
- Keloid
- Narcolepsy
- Stomach Neoplasms
- Urinary Bladder Neoplasms

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