

Product datasheet for **TP323854**

RUNX1 (NM_001001890) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human runt-related transcription factor 1 (RUNX1), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223854 representing NM_001001890 Red =Cloning site Green =Tags(s)

MRIPVDASTSRRFTPPSTALSPGKMSEALPLGAPDAGAALAGKLRSGDRSMVEVLADHPGELVRTDSPNF
LCSVLPHTWRCNKTLPIAFKVALGDVPDGLTVTMAGNDENYSaelRNATAAMKNQVARFNDLRFVGR
S
GRGKSFTLTITVFTNPPQVATYHRAIKITVDGPREPRRHRQKLDDQTKPGSLSFSERLSELEQLRR TAMR
VSPHHPAPTPNPRASLNHSTAFNPQPQSQMQDTRQIQSPSPWSYDQSYQYLGSIASPSVHPATPISGR
A
SGMTTLSAELSSRLSTAPDLTAFSDPRQFPALPSISDPRMHYPGAFTYSPTPVTSIGIGIGMSAMGSATRY
HTYLPYPYPGSSQAQGGPFQASSPSYHLYYGASAGSYQFSMVGGERSPPRILPPCTNASTGSALLNPSLP
NQSDVVEAEGSHSNSPTNMAPSARLEEAVWRPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

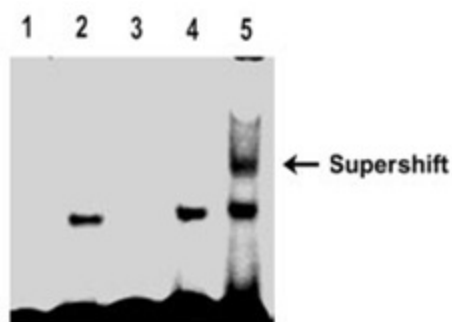
Tag:	C-Myc/DDK
Predicted MW:	48.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	RUNX1 Activity verified in a DNA-binding assay:
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

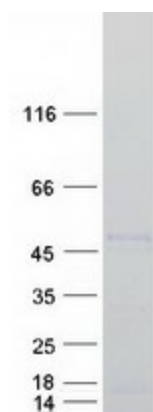


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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001001890
Locus ID:	861
UniProt ID:	Q01196
RefSeq Size:	7288
Cytogenetics:	21q22.12
RefSeq ORF:	1359
Synonyms:	AML1; AML1-EVI-1; AMLCR1; CBF2alpha; CBFA2; EVI-1; PEBP2aB; PEBP2alpha
Summary:	Core binding factor (CBF) is a heterodimeric transcription factor that binds to the core element of many enhancers and promoters. The protein encoded by this gene represents the alpha subunit of CBF and is thought to be involved in the development of normal hematopoiesis. Chromosomal translocations involving this gene are well-documented and have been associated with several types of leukemia. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
Protein Pathways:	Acute myeloid leukemia, Chronic myeloid leukemia, Pathways in cancer

Product images:





Coomassie blue staining of purified RUNX1 protein (Cat# TP323854). The protein was produced from HEK293T cells transfected with RUNX1 cDNA clone (Cat# [RC223854]) using MegaTran 2.0 (Cat# [TT210002]).