

Product datasheet for PH323854

RUNX1 (NM_001001890) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RUNX1 MS Standard C13 and N15-labeled recombinant protein (NP_001001890)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223854
Predicted MW:	48.6 kDa
Protein Sequence:	>RC223854 representing NM_001001890 Red =Cloning site Green =Tags(s)

MRIPVDASTSRFTTPSTALSPGKMSEALPLGAPDAGAALAGKLRSGDRSMVEVLADHPGELVRTDSPNF
 LCSVLPTHWRCNKTLPIAFKVVALGDVPDGLTVTMAGNDENYSAELRNATAAMKNQVARFNDLRFVGRS
 GRGKSFTLTITVFTNPPQVATYHRAIKITVDGPREPRRHQKLDQTKPGSLSFSERLSELEQLRRTAMR
 VSPHHPAPTPNPRASLNHSTAFNPQPQSQMQDTRQIQSPSPWSYDQSYQYLGSIASPSVHPATPISPGR
 SGMTTLSAELSSRLSTAPDLTAFSDPRQFPALPSISDPRMHYPGAFTYSPTPTVTSIGIGMSAMGSATRY
 HTYLPYPGSSQAQGGPFQASSPSYHLYYGASAGSYQFSMVGGERSPPRILPPCTNASTGSALLNP
 NQSDVVEAEGSHSNSPTNMAPSARLEEAVWRPY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001001890</u>
RefSeq Size:	7288
RefSeq ORF:	1359
Synonyms:	AML1; AML1-EVI-1; AMLCR1; CBF2alpha; CBFA2; EVI-1; PEBP2aB; PEBP2alpha


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Locus ID: 861

UniProt ID: [Q01196](#)

Cytogenetics: 21q22.12

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]).