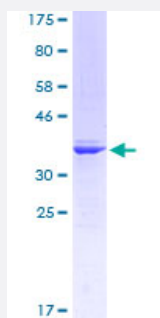


RUNX1 (Human) Recombinant Protein (Q01)

Catalog # H00000861-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human RUNX1 partial ORF (NP_001001890.1, 210 a.a. - 310 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RVSPHHPAPTPNPRASLNHSTAFNPQPQSQMQDTRQIQSPPPWSYDQSYQYLGSIASPSVHPAT PISPGRASGMTTLAELSSRLSTAPDLTAFSDPRQFP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.85
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RUNX1

Entrez GeneID [861](#)

GeneBank Accession# [NM_001001890](#)

Protein Accession# [NP_001001890.1](#)

Gene Name RUNX1

Gene Alias AML1, AML1-EVI-1, AMLCR1, CBFA2, EVI-1, PEBP2aB

Gene Description runt-related transcription factor 1

Omim ID [151385](#) [180300](#) [601399](#) [601626](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations AML1-EVI-1 fusion protein|acute myeloid leukemia 1|aml1 oncogene|core-binding factor, runt domain, alpha subunit 2

Publication Reference

- [RUNX1/core binding factor A2 regulates platelet 12-Lipoxygenase gene \(ALOX12\): studies in human RUNX1 haplodeficiency.](#)

Gurpreet Kaur, Gauthami Jalagadugula, Guangfen Mao, A Koneti Rao.

Blood 2010 Apr; 115(15):3128.

Application: GSA find the site, Human, HEL cells

Pathway

- [Acute myeloid leukemia](#)
- [Chronic myeloid leukemia](#)
- [Pathways in cancer](#)

Disease

- [Arthritis](#)
- [Asthma](#)
- [Blast Crisis](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Immune System Diseases](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)

- [Lupus Erythematosus](#)
- [Myelodysplastic Syndromes](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Psoriasis](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)