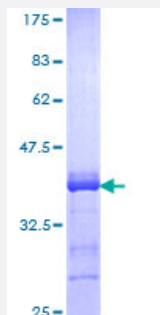


KLF12 (Human) Recombinant Protein (Q01)

Catalog # H00011278-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human KLF12 partial ORF (NP_009180, 1 a.a. - 90 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MNIHMKRKTIKNINTFENRMLMLDGMPAVRVKTELLESEQGSPNVHNPDM EAVPLLLNNVKGEP PEDSLSVDHFQTQTTPVDLSINKAR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
Interspecies Antigen Sequence	Mouse (97); Rat (92)
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 — KLF12

Entrez GeneID [11278](#)

GeneBank Accession# [NM_007249](#)

Protein Accession# [NP_009180](#)

Gene Name KLF12

Gene Alias AP-2rep, AP2REP, HSPC122

Gene Description Kruppel-like factor 12

Omim ID [607531](#)

Gene Ontology [Hyperlink](#)

Gene Summary Activator protein-2 alpha (AP-2 alpha) is a developmentally-regulated transcription factor and important regulator of gene expression during vertebrate development and carcinogenesis. The protein encoded by this gene is a member of the Kruppel-like zinc finger protein family and can repress expression of the AP-2 alpha gene by binding to a specific site in the AP-2 alpha gene promoter. Repression by the encoded protein requires binding with a corepressor, CtBP1. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations AP-2 repressor|AP-2rep transcription factor|KLF12 zinc finger transcriptional repressor|OTTHUMP00000018503|OTTHUMP00000040826

Disease

- [Arthritis](#)
- [Celiac Disease](#)

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Tobacco Use Disorder](#)
- [Wegener Granulomatosis](#)