

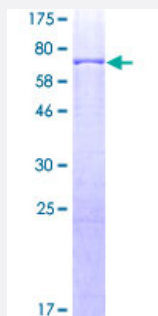
Full-Length

TFAP2A (Human) Recombinant Protein (P01)

Catalog # H00007020-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TFAP2A full-length ORF (NP_003211.1, 1 a.a. - 437 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLWKLTDNIKYEDCEDRHDGTSNGTARLPQLGTVGQSPYTSAPPLSHTPNADFQPPYFPPPYQPI
YPQSQDPYSHVNDPYSLNPLHAQPQPQHPGWPGQRQSQESGLLHTRGLPHQLSGLDPRRDYR
RHEDLLHGPHALSSGLGDLSTHSLPHAIIEVPHVEDPGINPDQTVIKKGPVLSKSNNAVSAIPIN
KDNLFGGVVNPNEVFCVPGRLSLLSSTSKYKVTVAEVQRRRLSPPECLNASLLGGVLRRAKSKN
GGRSLREKLDKIGLNLPAGRRKAANVTLLTSLVEGEAVHLARDFGYVCETEFPAKAVAEFLNRQH
SDPNEQVTRKNMLLATKQICKEFTDLLAQDRSPLGNSRPNPILEPGIQSCLTHFNLSHGFGSPAV
CAAVTALQNYL TEALKAMDKMYLSNNPNSHTDNNAKSSDKEEKHRK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

74.5

Interspecies Antigen Sequence

Rat (99)

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 — TFAP2A

Entrez GeneID	7020
GeneBank Accession#	NM_003220.2
Protein Accession#	NP_003211.1
Gene Name	TFAP2A
Gene Alias	AP-2, AP-2alpha, AP2TF, BOFS, TFAP2
Gene Description	transcription factor AP-2 alpha (activating enhancer binding protein 2 alpha)
Omim ID	107580
Gene Ontology	Hyperlink
Gene Summary	AP2-alpha is a 52-kD retinoic acid-inducible and developmentally regulated activator of transcription that binds to a consensus DNA-binding sequence CCCCAGGC in the SV40 and metallothionein (MIM 156350) promoters.[supplied by OMIM]
Other Designations	OTTHUMP00000016013 OTTHUMP00000016014 activating enhancer-binding protein 2 alpha transcription factor AP-2 alpha transcription factor AP-2 alpha (activating enhancer-binding protein 2 alpha)

Publication Reference

- [DACT2 modulated by TFAP2A-mediated allelic transcription promotes EGFR-TKIs efficiency in advanced lung adenocarcinoma.](#)

Zhang N, Li Y, Xie M, Song Y, Liu J, Lei T, Shen Y, Yu J, Yang M.

Biochemical Pharmacology 2020 Feb; 172:113772.

Application: Func, Probe

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Spinal Dysraphism](#)