

Active Recombinant Full Length Human TFAP2A Protein, C-Flag-tagged

Cat. No. TFAP2A-402HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TFAP2A Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a transcription factor that binds the consensus sequence 5'-GCCNNNGGC-3'. The encoded protein functions as either a homodimer or as a heterodimer with similar family members. This protein activates the transcription of some genes while inhibiting the transcription of others. Defects in this gene are a cause of branchiooculofacial syndrome (BOFS). Three transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	EMSA reaction positive control
Molecular Mass	47 kDa
AA Sequence	MLVHSFSAMDRHDGTSNGTARLPQLGTVGQSPYTSAPPLSHTPNADFQPPYFPPP YQPIYPQSQDPYSHV NDPYSLNPLHAQPQPQHPGWPGQRQSQESGLLHTRGLP HQLSGLDPRRDYRRHEDLLHGPHALSSGLGD LSIHSLPHAIEEVPHVEDPGINIPDQ TVIKKGPVSLSKSNSNAVSAIPINKDNLFGGVVNPNEVFCVPG RLSLLSSTSKYKVT

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VAEVQRRLSPPECLNASLLGGVLRRAKSKNGGRSLREKLDKIGLNLPAGRRKAANV
 TLLTSLVEGEAVHLARDFGYVCETEFPAKAVAEFLNRQHSDPNEQVTRKNMLLATK
 QICKEFTDLLAQDR SPLGNSRPNPILEPGIQSCLTHFNLISHGFGSPAVCAAVTALQN
 YLTEALKAMDKMYLSNNPNSHTDNNA
 KSSDKEEKHRKSGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Full Length	Full L.

GENE INFORMATION

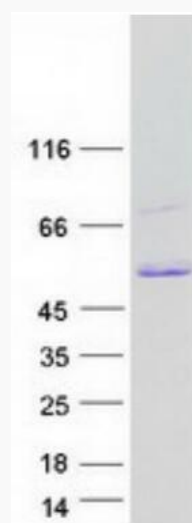
Gene Name	TFAP2A transcription factor AP-2 alpha [Homo sapiens (human)]
Official Symbol	TFAP2A
Synonyms	AP-2; BOFS; AP2TF; TFAP2; AP-2alpha
Gene ID	7020

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mRNA Refseq	NM_001032280.3
Protein Refseq	NP_001027451.1
MIM	107580
UniProt ID	P05549



Coomassie blue staining of purified TFAP2A protein.