

Product datasheet for TP723437

TGF alpha (TGFA) (NM_003236) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human transforming growth factor, alpha (TGFA), transcript variant 1.
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	VVSHFNDCPD SHTQFCFHGT CRFLVQEDKP ACVCHSGYVG ARCEHADLLA
Tag:	Tag Free
Predicted MW:	5.5 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 μ M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
Bioactivity:	ED50 as determined by the dose-dependent stimulation of thymidine uptake by BALB/c 3T3 cells is less than or equal to 0.2 ng/ml, corresponding to a specific activity of $> 5 \times 10^6$ units/mg.
Endotoxin:	Endotoxin level is < 0.1 ng/ μ g of protein (< 1 EU/ μ g)
Storage:	Store at -80°C .
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_003227
Locus ID:	7039
UniProt ID:	P01135
RefSeq Size:	4326
Cytogenetics:	2p13.3
RefSeq ORF:	477
Synonyms:	TFGA



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Summary:

This gene encodes a growth factor that is a ligand for the epidermal growth factor receptor, which activates a signaling pathway for cell proliferation, differentiation and development. This protein may act as either a transmembrane-bound ligand or a soluble ligand. This gene has been associated with many types of cancers, and it may also be involved in some cases of cleft lip/palate. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

Protein Families:

Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways:

ErbB signaling pathway, Glioma, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Prostate cancer, Renal cell carcinoma

Product images: