

## Recombinant Human TGFA

Cat No:HR2R2000

For research use only

### Overview

Quantity	20 ?g
Gene Symbol	TGFA
Gene ID	7039
Accession	P01135
Alternative Name	TGF-alpha, TGF-A, isoform CRA_d Recombinant Human Transforming Growth Factor Alpha (TGFA)
Species	Human
Source	E. coli
Description	An EGF family member, TGF-A is a cytokine that is produced following the protease digestion of its trans-membrane precursor proTGF-A. TGF-A is expressed both in normal tissues during embryogenesis and in adult tissues, such as the brain, keratinocytes, and macrophages and at high levels in transformed and tumour cells.
Functions	Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED(50) for this effect is typically 0.1?0.4 ng/mL.
Formulation	Lyophilized from a 0.2 ?m filtered solution in Acetonitrile and TFA
Solubility	Reconstitute at 100 ?g/mL in sterile 10 mM Acetic Acid
Appearance	Lyophilized Powder
Molecular Weight	5.8
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method.
Shipping Condition	Ambient Temperature
Storage Condition	The lyophilized protein is stable for at least one year from date of receipt at -70°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2? - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.