

GATA-3 recombinant protein

CatalogNo: YD3033

| Key Features

Reactivity

- Human

| Storage

Storage* -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

Formulation Phosphate-buffered solution

| Recommended Dilution Ratios

| Basic Information

Source Mammalian cells

Purification Mammalian cells

Purity >90% as determined by SDS-PAGE

| Immunogen Information

| Target Information

Gene name GATA3

Protein Name Trans-acting T-cell-specific transcription factor GATA-3 (GATA-binding factor 3)

Organism

Human

Gene ID

[2625](#);

UniProt ID

[P23771](#);

**Cellular
Localization**

Nucleus.

Tissue specificity T-cells and endothelial cells.

Function

Transcriptional activator which binds to the enhancer of the T-cell receptor alpha and delta genes. Binds to the consensus sequence 5'-AGATAG-3'. Required for the T-helper 2 (Th2) differentiation process following immune and inflammatory responses. Positively regulates ASB2 expression (By similarity). Coordinates macrophage transcriptional activation and UCP2-dependent metabolic reprogramming in response to IL33. Upon tissue injury, acts downstream of IL33 signaling to drive differentiation of inflammation-resolving alternatively activated macrophages.

| Validation Data

| Contact information

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GATA-3
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