

Recombinant Human EID1

Catalog No: #GP11493



Package Size: #GP11493-1 100ug

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Description

| | |
|-----------------------|---|
| Product Name | Recombinant Human EID1 |
| Brief Description | Recombinant Protein |
| Immunogen Description | Fusion protein corresponding to a region derived from 2-187 amino acids of human EP300 interacting inhibitor of differentiation 1 |
| Target Name | EP300 interacting inhibitor of differentiation 1 |
| Other Names | CRI1; EID-1; RBP21; PTD014; C15orf3; PNAS-22; IRO45620 |
| Accession No. | Swissprot:Q9Y6B2Gene Accession:NP_055150 |
| Uniprot | Q9Y6B2 |
| GenID | 23741; |
| Storage | -20~-80°C, pH 7.6 PBS |

Background

E1A-like inhibitor of differentiation-1 (EID-1), an acetyltransferase enzyme, binds both the retinoblastoma protein (Rb), a regulator of cell cycle and tissue specific transcription, and the adenovirus E1A-associated cellular p300 transcriptional co-activator protein. EID-1 inhibits cellular differentiation by blocking the histone acetyltransferase activity of p300. EID-1 also acetylates both histones and non-histone proteins such as NCOA3 co-activator. By acetylating histones, EID-1 gives a specific tag for transcriptional activation. In addition to binding Rb and p300, EID-1 also binds to phosphorylated CREB protein, mediating cAMP gene regulation. EID-1 augments the activity of phosphorylated CREB and activates transcription of cAMP responsive genes as a co-activator.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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