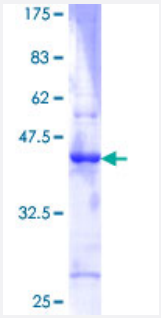
Full-Length

ID3 (Human) Recombinant Protein (P01)

Catalog # H00003399-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ID3 full-length ORF (AAH03107, 1 a.a. - 119 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MKALSPVRGCYEAVCCLSERSLAIARGRGKGPAAEEPLSLLDDMNHCYSRLRELVPGVPRGTQL SQVEILQRVIDYILDLQVVLAEPAPGPPDGPHLPIQTAELAPELVISNDKRSFCH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	38.72
Interspecies Antigen Sequence	Mouse (96); Rat (97)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ID3

Entrez GeneID	3399
GeneBank Accession#	BC003107..1
Protein Accession#	AAH03107
Gene Name	ID3
Gene Alias	HEIR-1, bHLHb25
Gene Description	inhibitor of DNA binding 3, dominant negative helix-loop-helix protein
Omim ID	600277
Gene Ontology	Hyperlink
Gene Summary	Members of the ID family of helix-loop-helix (HLH) proteins lack a basic DNA-binding domain and inhibit transcription through formation of nonfunctional dimers that are incapable of binding to DN A.[supplied by OMIM
Other Designations	OTTHUMP00000003263|inhibitor of DNA binding 3

Publication Reference

- PCB153-Induced Overexpression of ID3 Contributes to the Development of Microvascular Lesions.

  Das JK, Felty Q.

  PLoS One 2014 Aug; 9(8):e104159.

  Application: KA, Recombinant protein

Pathway

- TGF-beta signaling pathway

Disease

- Atherosclerosis
- Calcinosis
- Carotid Artery Diseases
- Coronary Artery Disease
- Diabetes Mellitus
- Disease Models
- Genetic Predisposition to Disease
- Kidney Failure
- Male Urogenital Diseases
- Neoplasm Invasiveness
- Prostate cancer
- Prostatic Neoplasms