

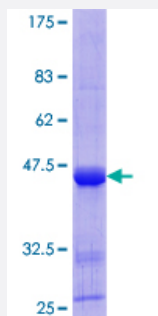
Full-Length

ID1 (Human) Recombinant Protein (P01)

Catalog # H00003397-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ID1 full-length ORF (AAH00613.1, 1 a.a. - 155 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MKVASGSTATAAAGPSCALKAGKTASGAGEVVRCLSEQSVAISRCAGGAGARLPALLDEQQVN VLLYDMNGCYSRLKELVPTLPQNRKVKVEILQHVIDYIRDLQLELNSESEVGTPGGRGLPVRAPL STLNGEISALTAEAACVPADDRILCR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.79
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 — ID1

Entrez GeneID [3397](#)

GeneBank Accession# [BC000613](#)

Protein Accession# [AAH00613.1](#)

Gene Name ID1

Gene Alias ID, bHLHb24

Gene Description inhibitor of DNA binding 1, dominant negative helix-loop-helix protein

Omim ID [600349](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. The encoded protein has no DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and differentiation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations DNA-binding protein inhibitor ID-1|OTTHUMP00000030534|OTTHUMP00000030535|dJ857M17.1.2 (inhibitor of DNA binding 1, dominant negative helix-loop-helix protein)|inhibitor of DNA binding 1|inhibitor of differentiation 1

Publication Reference

- [Inflammatory properties of inhibitor of DNA binding 1 secreted by synovial fibroblasts in rheumatoid arthritis.](#)

Edhayan G, Ohara RA, Stinson WA, Amin MA, Isozaki T, Ha CM, Haines GK 3rd, Morgan R, Campbell PL, Arbab AS, Friday SC, Fox DA, Ruth JH.

Arthritis Research & Therapy 2016 Apr; 18(1):87.

Application: Incubated, Recombinant protein

Pathway

- [TGF-beta signaling pathway](#)