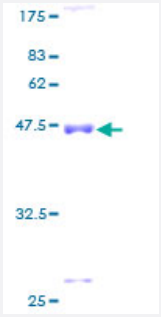
Full-Length

DR1 (Human) Recombinant Protein (P01)

Catalog # H00001810-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DR1 full-length ORF (AAH02809, 1 a.a. - 176 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MASSSGNDDDLTIPRAAINKMIKETLPNVRVANDARELVVNCCTEFIHLISSEANEICNKSEKKTISP EHVIQALESLGFGSYISEVKEVLQECKTVALKRRKASSRLENLGIPEEELLRQQQELFAKARQQQA ELAQQEWLQMQQAAQQAQLAAASASASNQAGSSQDEEDDDDI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	45.10
Interspecies Antigen Sequence	Mouse (99); Rat (99)
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 — DR1

Entrez GeneID	1810
GeneBank Accession#	BC002809
Protein Accession#	AAH02809
Gene Name	DR1
Gene Alias	NC2, NC2-BETA
Gene Description	down-regulator of transcription 1, TBP-binding (negative cofactor 2)
Omim ID	601482
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a TBP- (TATA box-binding protein) associated phosphoprotein that represses both basal and activated levels of transcription. The encoded protein is phosphorylated in vivo and this phosphorylation affects its interaction with TBP. This protein contains a histone fold motif at the amino terminus, a TBP-binding domain, and a glutamine- and alanine-rich region. The binding of DR1 repressor complexes to TBP-promoter complexes may establish a mechanism in which an altered DNA conformation, together with the formation of higher order complexes, inhibits the assembly of the preinitiation complex and controls the rate of RNA polymerase II transcription. [provided by RefSeq
Other Designations	OTTHUMP00000012556|OTTHUMP00000012557|down-regulator of transcription 1

Disease

- Alzheimer Disease
- Genetic Predisposition to Disease