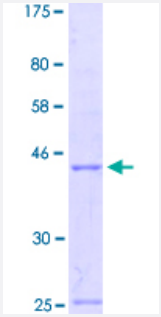
EN2 (Human) Recombinant Protein (Q01)

Catalog # H00002020-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human EN2 partial ORF (NP_001418.2, 86 a.a. - 210 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GTCCAGAGGGRGGGAGGEGGASGAEGGGGAGGSEQLLGSGSREPRQNPPCAPGAGGPLPAAGSDSPGDGEGGSKTLSLHGGAKKGGDPGGPLDGSLKARGLGGGDLSVSSDSDSSQAGANLGAQP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	39.38
Interspecies Antigen Sequence	Mouse (79); Rat (78)
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 — EN2

Entrez GeneID	2020
GeneBank Accession#	NM_001427
Protein Accession#	NP_001418.2
Gene Name	EN2
Gene Alias	AUTS1, AUTS10
Gene Description	engrailed homeobox 2
Omim ID	131310 611016
Gene Ontology	Hyperlink
Gene Summary	Homeobox-containing genes are thought to have a role in controlling development. In Drosophila, the 'engrailed' (en) gene plays an important role during development in segmentation, where it is r equired for the formation of posterior compartments. Different mutations in the mouse homologs, En1 and En2, produced different developmental defects that frequently are lethal. The human engr ailed homologs 1 and 2 encode homeodomain-containing proteins and have been implicated in t he control of pattern formation during development of the central nervous system. [provided by Ref Seq
Other Designations	engrailed homolog 2|engrailed-2

Disease

- Autistic Disorder
- Child Development Disorders

- Genetic Predisposition to Disease
- Parkinson disease