

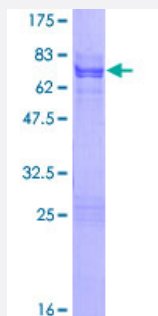
Full-Length

OTX1 (Human) Recombinant Protein (P01)

Catalog # H00005013-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human OTX1 full-length ORF (NP_055377.1, 1 a.a. - 354 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MMSYLKQPPYGMNGLGLAGPAMDLLHPSVGYPATPRKQRRERTTFTRSQLDVLEALFAKTRYPDI
FMREEVALKINLPESRVQVWFKNRRRAKCRQQQSGSGTKSRPAKKKSSPVRESSGSESSGQFT
PPAVSSSSASSSSSSANPAAAAAGLGGNPVAAASSLSTPAASSIWSPASISPGSAPASVS
VPEPLAAPSNTSCMQRVAAGAATAAASYPMSYGQGGSYGQGYTPSSSYFGGVDCSSYLAPM
HSHHHPHQLSPMAPSSMAGHHHHHPAHHPLSQSSGHHHHHHHHHHQGYGGSGLAFNSADCL
DYKEPGAAAASSAWKLNFNPDCLDYKDQASWRFQVL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

63.7

Interspecies Antigen Sequence

Mouse (97); 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 — OTX1

Entrez GeneID[5013](#)**GeneBank Accession#**[NM_014562.2](#)**Protein Accession#**[NP_055377.1](#)**Gene Name**

OTX1

Gene Alias

FLJ38361, MGC15736

Gene Description

orthodenticle homeobox 1

Omim ID[600036](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a member of the bicoid sub-family of homeodomain-containing transcription factors. The encoded protein acts as a transcription factor and may play a role in brain and sensory organ development. A similar protein in mice is required for proper brain and sensory organ development and can cause epilepsy. [provided by RefSeq]

Other Designations

homeobox protein OTX1|orthodenticle homolog 1

Disease

- [Mental Disorders](#)

- [Schizophrenia](#)