

## Recombinant Human OTX2 Protein

Catalog #	Source	Reactivity	Applications
CRP2048	E. coli	Human	E, WB, SDS-PAGE, MS

<b>Description</b>	Recombinant Human OTX2 Protein is produced by our E. coli expression system and the target gene encoding Met1-Leu297 is expressed with a 6His tag at the C-terminus.
<b>Form</b>	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<b>Gene Symbol</b>	OTX2
<b>Alternative Names</b>	Homeobox protein OTX2; Orthodenticle homolog 2
<b>Entrez Gene</b>	5015 (Human)
<b>SwissProt</b>	P32243 (Human)
<b>Purity</b>	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
<b>Chemical Structure</b>	MMSYLKQPPY AVNGLSLTTS GMDLLHPSVG YPGPWASCPA ATPRKQRRER TTFTRAQLDV LEALFAKTRY PDIFMREEVA LKINLPESRV QVWFKNRRRAK CRQQQQQQQN GGQNKVRPAK KKTSPAREVS SESGTSQGFT PPSSTSVPTI ASSSAPVSIW SPASISPLSD PLSTSSSCMQ RSYPMTYTQA SGYSQGYAGS TSYFGGMDCG SYLTPMHHQL PGPGATLSPM GTNAVTSHLN QSPASLSTQG YGASSLGFNS TTDCLDYKDQ TASWKLNFNA DCLDYKDQTS SWKFQVLEH HHHHH
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Storage/Stability</b>	Lyophilized protein should be stored at -20°C, though stable at room temperature
<b>Application key:</b>	E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
<b>Species reactivity key:</b>	H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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