

Recombinant Human MED12 Protein, GST-tagged

Cat. No. MED12-4479H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human MED12 partial ORF (NP_005111, 1829 a.a. - 1941 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The initiation of transcription is controlled in part by a large protein assembly known as the preinitiation complex. A component of this preinitiation complex is a 1.2 MDa protein aggregate called Mediator. This Mediator component binds with a CDK8 subcomplex which contains the protein encoded by this gene, mediator complex subunit 12 (MED12), along with MED13, CDK8 kinase, and cyclin C. The CDK8 subcomplex modulates Mediator-polymerase II interactions and thereby regulates transcription initiation and reinitiation rates. The MED12 protein is essential for activating CDK8 kinase. Defects in this gene cause X-linked Opitz-Kaveggia syndrome, also known as FG syndrome, and Lujan-Fryns syndrome. [provided by RefSeq]
Molecular Mass	38.17 kDa
AA Sequence	QPATKTEDYGMGPGRSGPYGVTVPPDLLHHPNPGSITHLNRYRQGSIGLYTQNQLP AGGPRVDPYRPVRLPMQKLPTTRPTYPGVLPTTMTGVMGLEPSSYKTSVYRQQQPA VP
Applications	Enzyme-linked Immunoabsorbent Assay

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [MED12 mediator complex subunit 12 \[Homo sapiens \]](#)

Official Symbol [MED12](#)

Synonyms

MED12; mediator complex subunit 12; FG syndrome 1 , FGS1, mediator of RNA polymerase II transcription, subunit 12 homolog (S. cerevisiae) , TNRC11, trinucleotide repeat containing 11 (THR associated protein, 230kDa subunit); mediator of RNA polymerase II transcription subunit 12; CAGH45; HOPA; KIAA0192; OKS; OPA1; TRAP230; CAG repeat protein 45; human opposite paired; OPA-containing protein; putative mediator subunit 12; activator-recruited cofactor 240 kDa component; trinucleotide repeat-containing gene 11 protein; thyroid hormone receptor-associated protein, 230 kDa subunit; mediator of RNA polymerase II transcription, subunit 12 homolog; thyroid hormone receptor-associated protein complex 230 kDa component; trinucleotide repeat containing 11 (THR-associated protein, 230 kDa subunit); FGS1; ARC240; MED12S; TNRC11;

Gene ID [9968](#)

mRNA Refseq [NM_005120](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

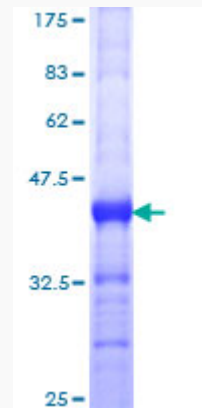
 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_005111

MIM 300188

UniProt ID Q93074

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA