

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	QPATKTEDYGMGPGRSGPYGVTVPDLLHHPNPGSITHLNRYRQGSIGLYTQNQPLP AGGPRVDPYRPVRLPMQKLPTTRPTYPGVLPTTMTGVMGLEPSSYKTSVYRQQQPA VP
Applications	Enzyme-linked Immunoabsorbent Assay

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	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

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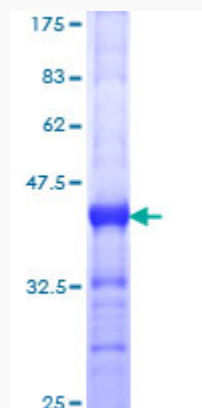
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Protein Refseq NP_005111

MIM 300188

UniProt ID Q93074

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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