

Recombinant Full Length Human FOXE1 Protein, GST-tagged

Cat. No. FOXE1-5059HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human FOXE1 full-length ORF (AA152745.1, 1 a.a. - 373 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	373 amino acids
Description	This intronless gene belongs to the forkhead family of transcription factors, which is characterized by a distinct forkhead domain. This gene functions as a thyroid transcription factor which likely plays a crucial role in thyroid morphogenesis. Mutations in this gene are associated with congenital hypothyroidism and cleft palate with thyroid dysgenesis. The map localization of this gene suggests it may also be a candidate gene for squamous cell epithelioma and hereditary sensory neuropathy type I. [provided by RefSeq
Molecular Mass	67.43 kDa
AA Sequence	MTAESGPPPPQPEVLATVKEERGETAAGAGVPGEATGRGAGGRRRKRLPLQRGKP PYSYIALIAMAIAHAPERRLTGGIYKFITERFPFYRDNPKKWQNSIRHNLTLNDCFLKI PREAGRPGKGNYWALDPNAEDMFESGSFLRRRKRFKRSDLSTYPAYMHDAAAAAA AAAAAAAAAAIFPGAVPAARPPYPGAVYAGYAPPSLAAPPPVYYPAASPGPCRVEFG LVPERPLSPELGPAPSGPGGSCAFASAGAPATTTGYQPAGCTGARPANPSAYAAAY AGPDGAYPQGAGSAIFAAAGRLAGPASPPAGGSSGGVETTVDYFGRTPSPGQFGAL

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GACYNPGGQLGGASAGAYHARHAAAYPGGIDRFVSAM

Applications

Enzyme-linked Immunoabsorbent Assay
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

FOXE1 forkhead box E1 (thyroid transcription factor 2) [Homo sapiens]

Official Symbol

FOXE1

Synonyms

FOXE1; forkhead box E1 (thyroid transcription factor 2); FKHL15, forkhead box E2, FOXE2, TITF2; forkhead box protein E1; HFKH4; TTF 2; forkhead box E2; forkhead box protein E2; HNF-3/fork head-like protein 5; thyroid transcription factor 2; forkhead-related protein FKHL15; forkhead, drosophila, homolog-like 15; TTF2; FOXE2; HFKL5; TITF2; TTF-2; FKHL15;

Gene ID

2304

mRNA Refseq

NM_004473

Protein Refseq

NP_004464

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MIM	602617
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UniProt ID	O00358
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