

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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