Full-Length

FOXE1 (Human) Recombinant Protein (P01)

Catalog # H00002304-P01 Size 50 ug

Specification

Product Description	Human FOXE1 full-length ORF (AAI52745.1, 1 a.a. - 373 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTAESGPPPPQPEVLATVKEERGETAAGAGVPGEATGRGAGGRRRKRPLQRGKPPYSYIALIAM AIAHAPERRLTLGGIYKFITERFPFYRDNPKKWQNSIRHNLTLNDCFLKIPREAGRPGKGNYWALDP NAEDMFESGSFLRRRKRFKRSDLSTYPAYMHDAAAAAAAAAAAAAAAAIFPGAVPAARPPYPGA VYAGYAPPSLAAPPPVYYPAASPGPCRVFGLVPERPLSPELGPAPSGPGGSCAFASAGAPATTT GYQPAGCTGARPANPSAYAAAYAGPDGAYPQGAGSAIFAAAGRLAGPASPPAGGSSGGVETTV DFYGRTSPGQFGALGACYNPGGQLGGASAGAYHARHAAAYPGGIDRFVSAM
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	67.43
Interspecies Antigen Sequence	Mouse (88); Rat (86)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production

- Protein Array

Gene Info — FOXE1

Entrez GeneID	2304
GeneBank Accession#	BC152744.1
Protein Accession#	AAI52745.1
Gene Name	FOXE1
Gene Alias	FKHL15, FOXE2, HFKH4, HFKL5, TITF2, TTF-2, TTF2
Gene Description	forkhead box E1 (thyroid transcription factor 2)
Omim ID	241850 602617
Gene Ontology	Hyperlink
Gene Summary	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 pla ys a crucial role in thyroid morphogenesis. Mutations in this gene are associated with congenital h ypothyroidism 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 neuropath y type I. [provided by RefSeq
Other Designations	OTTHUMP00000021756|forkhead box E1|forkhead box E2|forkhead, drosophila, homolog-like 1 5|forkhead-like 15|thyroid transcription factor-2

Disease

- Abnormalities
- Carcinoma
- Choristoma
- Cleft Lip
- Cleft Palate
- Congenital Abnormalities
- Congenital Hypothyroidism

- Genetic Predisposition to Disease
- Hypothyroidism
- Neoplasms
- Skin Neoplasms
- Syndrome
- Thyroid Dysgenesis
- Thyroid Neoplasms
- Tooth Abnormalities