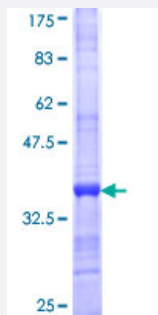


SC5DL (Human) Recombinant Protein (Q01)

Catalog # H00006309-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SC5DL partial ORF (NP_008849, 210 a.a. - 298 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DGDFRVPQILQPFINGSAHHTDHHMFFDYNYGQYFTLWDRIGGSFKNPSSFEGKGPLSYVKEMTE GKRSSPSGNGCKNEKLFNGEFTKT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.53
Interspecies Antigen Sequence	Mouse (83); Rat (82)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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 — SC5DL

Entrez GeneID	6309
GeneBank Accession#	NM_006918
Protein Accession#	NP_008849
Gene Name	SC5DL
Gene Alias	ERG3, S5DES, SC5D
Gene Description	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, S. cerevisiae)-like
Omim ID	602286 607330
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an enzyme of cholesterol biosynthesis. The encoded protein catalyzes the conversion of lathosterol into 7-dehydrocholesterol. Mutations in this gene have been associated with lathosterolosis. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq]
Other Designations	3beta-hydroxysteroid-delta5-desaturase delta-5-desaturase fungal ERG3, delta-5-desaturase-like lathosterol 5-desaturase lathosterol dehydrogenase lathosterol oxidase sterol C5-desaturase-like sterol-C5-desaturase

Pathway

- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)

- [Metabolic pathways](#)
- [Steroid biosynthesis](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Tobacco Use Disorder](#)